

Lehigh Alumni Bulletin



March



A white that is white and remains white



Undoubtedly large wall and ceiling areas in your plant or factory are painted **WHITE**. Are you using interior white that must be repainted every year . . . or . . . Britenol?

Literally hundreds of new customers have sold themselves on Britenol, through the trial method of painting one floor or section of their plant with this well known interior white.

And, trial users one season become regular customers the next. Send today for the *new* Britenol folder. Read it — this will take only five minutes. Then send us a trial order.

This may mean a lot to you!



GOHEEN CORPORATION

OF NEW JERSEY

Main Office and Plant
Newark, N. J.

New York City Office
331 Madison Ave.

Paint Engineers Since 1888



BIG FOUR BRIDGE FROM LOUISVILLE, KENTUCKY, TO JEFFERSONVILLE, INDIANA, OVER OHIO RIVER

McClintic-Marshall Company

Manufacturers and Erectors of

STEEL BRIDGES, BUILDINGS

AND

OTHER STEEL STRUCTURES

GENERAL OFFICES

OLIVER BUILDING, PITTSBURGH, PA.

BRANCH OFFICES:

NEW YORK	BALTIMORE	CLEVELAND	ST. LOUIS
PHILADELPHIA	BOSTON	CINCINNATI	SAN FRANCISCO
CHICAGO	BUFFALO	DETROIT	LOS ANGELES

CHARLOTTE

WORKS:

PITTSBURGH	CHICAGO	LOS ANGELES
POTTSTOWN	BUFFALO	SAN FRANCISCO

C. D. MARSHALL, '88, President

H. H. MCCLINTIC, '88, Vice President

R. W. KNIGHT, '94
G. R. ENSCOE, '96
C. M. DENISE, '98
T. L. CANNON, '03
E. F. GOHL, '07
F. U. KENNEDY, '07
R. MAC MINN, '07
L. A. WALKER, '08
G. A. CAFFALL, '10

LESLIE ALLEN, '16
W. A. CANNON, '16
J. N. MARSHALL, '20
J. H. WAGNER, '20
G. L. GAISER, '22
C. S. SATTERTHWAIT, '22
J. F. MOYER, '23
I. F. KURTZ, '23
W. R. DRAKE, '24

A. S. HALTEMAN, '26
W. R. STEVENS, '26
R. R. WEAVER, '26
V. I. VARGA, '27
C. F. CLASS, '28
R. A. CANNING, '28
R. J. ALBRIGHT, '29
G. S. ENSCOE, '29
J. B. REILL, '29

On the Radio
OLD
COMPANY'S
SINGERS

Every
Friday Eve.
at 9:30 P.M.
WEAF and
Associated
Stations



10 TONS HERE

8 TONS HERE

Two houses, practically identical in size, design and construction . . . on the same side of the same street . . . same exposures all around.

Yet, the owner of one house burns 20% more coal each winter than does the owner of the other . . . without having his rooms any warmer.

Why?

Well, the eight-ton man buys Old Company's Lehigh Anthracite.

He gets a coal of unusually high heat value, and a coal that holds fire particularly well.

He doesn't have to keep his drafts open very long at a time, for his coal is remarkably responsive and it quickly brings the thermometer up to the desired point . . . with a minimum of coal.

Furthermore, during mild spells he can shut off his drafts for a considerable period without fear of his fire going out . . . which, of course, is another way of saving coal.

Old Company's Lehigh Anthracite is a surpassingly dense, long-burning coal, carefully prepared and inspected for purity and uniformity. Order it by its full name.

For name of
your nearest dealer,
look in your
classified telephone
directory under
"Old Company's
Lehigh Anthracite."

LEHIGH NAVIGATION COAL COMPANY

S. D. WARRINER, '90, Chairman of the Board

THE DRAVO CONTRACTING COMPANY

Pittsburgh, Pa.

ENGINEERS

CONTRACTORS

BUILDERS

STEEL AND CONCRETE CONSTRUCTION

LOCKS AND DAMS - WHARVES AND DOCKS - INDUSTRIAL FOUNDATIONS

BRIDGE PIERS - RETAINING WALLS - PUMP HOUSES - SEA WALLS

INTAKES - SHAFT SINKING - SLOPES - TUNNELS

PNEUMATIC CAISSON SPECIALISTS



DRAVO-DOYLE COMPANY

Cleveland

Pittsburgh

Philadelphia

STEAM, ELECTRIC AND HYDRAULIC EQUIPMENT, WATER
WORKS INSTALLATIONS, COMPLETE POWER PLANTS

NATIONAL DISTRIBUTORS FOR ENGINEERING EQUIPMENT AND MATERIAL

-- ASSOCIATED WITH THE COMPANIES --

F. R. DRAVO, '87
R. M. DRAVO, '89
S. P. FELIX, '03
J. D. BERG, '05
G. A. SISSON, '05
E. T. GOTT, '06
L. C. ZOLLINGER, '09
V. B. EDWARDS, '12

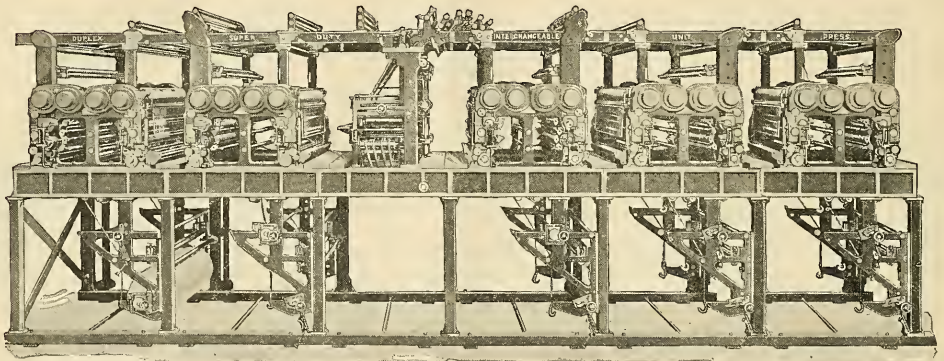
GEO. F. WOLFE, '14
W. P. BERG, '15
E. H. ZOLLINGER, '18
E. W. ESTES, '20
J. R. FARRINGTON, '22
F. J. LLOYD, JR., '23
B. E. RHOADS, JR., '23
J. A. BISSINGER, JR., '26

H. CHARLES HESS, '26
W. W. ARMSTRONG, '27
R. W. MARVIN, '27
PAUL G. STROHL, '27
J. A. BETTERLY, '28
G. W. FEARNSIDE, '28
E. M. BACHTTELL, '29
G. W. GRANACHER, '29

THE DUPLEX SUPER-DUTY UNIT TYPE PRESS (Decuple Capacity)

now installed in the plant of

The Bethlehem (Pa.) Globe-Times



DUPLEX SUPER-DUTY INTERCHANGEABLE UNIT PRESS

A New Standard of Excellence in Metropolitan Press Requirements

***CHOSEN**—after a careful investigation
of all presses available—for these reasons:*

OVERSIZE PARTS

EASE OF OPERATION

SIMPLICITY OF DESIGN

SUPERIOR MATERIALS

SPEED

ACCURACY OF MACHINE WORK

ACCESSIBILITY

NO LIGHT STREAKS IN PRINTING

ECONOMY

SAFETY

The Duplex Printing Press Company

Times Bldg.
New York

BATTLE CREEK, MICHIGAN

Marcus M. Farley, '06
Vice-President, Secretary

BETWEEN The LINES

THE Mid-Winter Home-coming turned out to be a Mid-Summer Home-staying. The attendance was no better than last year, when there was a foot of snow.

* * *

Call it sour grapes if you will, but we don't want to be a college president. President Ruthven of Michigan, although new at the job, describes the president's lot as: "A combination of educational expert, spanker of recalcitrant youngsters, business executive, salesman and medicine man for the country at large."

* * *

PRESIDENT EMERITUS THOMPSON of Ohio tells a story about a student who was taking an exam. He couldn't answer the last question. He thought that the professor was a pretty good friend of his, so he wrote, "Only God could answer that question. Merry Christmas." The professor wrote back, "God gets a hundred; you get zero. Happy New Year."

* * *

BASEBALL

April 5—Ursinus
April 10—Haverford
April 12—Rutgers*
April 16—Princeton*
April 19—Navy*
April 21—Pending*
April 22—Fordham*
April 23—Army*
April 26—C. C. N. Y.*
April 30—Rutgers
May 3—Lafayette
May 7—Villanova*
May 10—Lafayette*
May 13—Pennsylvania*
May 14—Muhlenberg*
May 17—Lafayette
June 6—Muhlenberg
June 7—Villanova

LACROSSE

April 5—Swarthmore
April 9—Oxford-Cambridge
April 12—Stevens*
April 26—Princeton*
May 3—Rutgers
May 10—Navy
May 14—Lafayette
May 17—N. Y. U.*

TENNIS

April 12—Muhlenberg
April 26—Swarthmore*
April 29—Washington and Lee
April 30—Lafayette
May 2—Yale*
May 3—Princeton*
May 6—Columbia
May 9—Haverford*
May 10—Cornell
May 13—Penn*
May 16—Rutgers
May 17—Dartmouth

TRACK

April 12—Dickinson
April 26—Penn Relays*
April 30—Swarthmore*
May 3—Rutgers*
May 9—Haverford*
May 14—Muhlenberg
May 17—Lafayette
* Games away.

Lehigh Alumni Bulletin

Published monthly, October to July inclusive, by the Alumni Association of Lehigh University, Inc., Bethlehem, Pa.
Printed by Times Publishing Co., Bethlehem, Pa.

Subscription Price, \$2.00 a Year

Member of Intercollegiate Alumni Extension Service

Entered as second-class matter at Bethlehem, Penna., Post-office

A. E. BUCHANAN, Jr., '18, Editor

J. W. MAXWELL, '26, Asst. Editor

VOLUME 17

MARCH, 1930

NUMBER 3

ALUMNI ASSOCIATION OF LEHIGH UNIVERSITY, INC.

Alumni Memorial Building, Bethlehem, Pa.

A. R. GLANCY, '03, President
R. P. HUTCHINSON, '04, Vice-President
E. F. JOHNSON, '07, Vice-President
R. S. TAYLOR, '95, Treasurer
A. E. BUCHANAN, Jr., '18, Secretary
J. L. BEAVER, '04, Archivist

Honorary Alumni Trustees

H. D. WILSON, '01
AUBREY WEYMOUTH, '94
C. W. HUDSON, '89
CARWALLABER EVANS, '01
F. R. DRAYO, '87
T. M. GIRDLER, '01

ALUMNI MEMBERS, BOARD OF CONTROL OF ATHLETICS

D. M. Petty, '09 J. A. Frick, '03 W. R. Okeson, '95 M. L. Jacobs, '10

JOINT ENDOWMENT COMMITTEE

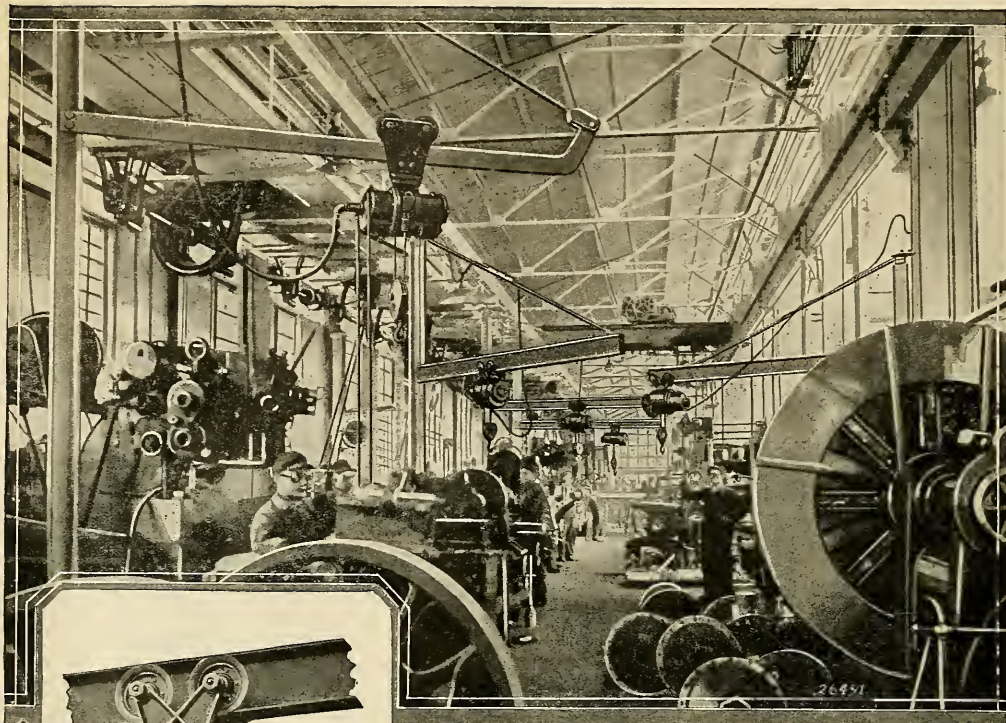
E. G. Grace, '99, Honorary Chairman W. C. Dickerman, '96, Executive Chairman
A. Weymouth, '94 H. S. Drinker, '71 C. D. Marshall, '88 F. R. Dravo, '87
C. W. Hudson, '89 F. Baker, Jr., '95 H. D. Wilson, '01 W. R. Okeson, '95

LEHIGH ALUMNI CLUBS

District	President	Secretary
Bethlehem (Home Club)	A. C. Cusick, '23	J. W. Maxwell, '26, Lehigh University, Bethlehem, Pa.
Chicago	J. T. Aubrey, '09	J. Porter Langfitt, '24, Pure Oil Co., 37 S. Wabash Ave.
Central Penna.	Milton Roth, '24	L. C. Wurster, '25, Franklin St., Pennbrook, Pa.
China	Yen Te Ching, '01, 16 Fang Chin Hsiang, Peking, China.	L. A. Baumann, '19, French Bros.-Bauer Co., Cincinnati, Ohio.
Cincinnati	L. T. Rainey, '99	H. E. Johnson, '13, 1414 Dexter Blvd.
Detroit	A. C. Hutchinson, '02	J. G. Conrath, '29, 4603 Cherry St.
Erie	W. J. Scarlett, '28	J. F. Leib, '25, 308 E. 22nd St., Baltimore, Md.
Maryland	J. S. Rowan, '10	A. D. Bach, '17, 39 Bemis St., Newtonville, Mass.
New England	L. A. Olney, '96	Edward M. Gilles, '26.
New York	Wm. Wirt Mills, '87, 30 Church St.	G. H. Bingham, '10, Dunmore, Pa.
Northeast Penna.	B. E. Schaeffer, '22	R. C. Moore, 1800 Arch St., Berkeley, Calif.
Northern California	R. H. Tucker, '79	F. H. Samuela, '25, 786 Broad St., Newark, N. J.
Northern N. J.	David Green, '22	Kenneth Houseman, '27, Schenectady, N. Y.
Northern N. Y.		R. W. Kempemith, '11, 2600 Terminal Tower, Cleveland, Ohio.
Northern Ohio	M. Schmid, '07	Moritz Bernstein, '26, 2130 Eastaug St.
Philadelphia	C. F. Lincoln, '11	Edward Stotz, Jr., '20, 801 Bessemer Bldg.
Pittsburgh	Taylor Alderdice, '83	J. W. Thurston, '96, 168 N. Quaker Lane, Hartford, Conn.
Southern N. E.	C. H. Veeder, '86	R. W. Kinsey, '07, 723 N. 5th St., Reading, Pa.
Southeast Penna.	E. A. Quier, '91	R. B. Serfass, '08, 308 Schuylkill Trust Bldg., Pottsville, Pa.
Southern Anthracite	J. H. Pierce, '10	R. M. Eckert, '08, 5642 Carlton Way, Hollywood, Calif.
Southern California	S. E. Lambert, '89	E. L. Robinson, '24, 2 S. Clinton Ave.
Trenton, N. J.	J. H. Pennington, '97	C. B. Griffith, '28, 4200 Harrison St., N.W.
Washington, D. C.	T. N. Gill, '07	Harris McCarthy, '30, 110 Windsor Ave., Buffalo, N. Y.
Western New York	H. W. Baldwin, '96	S. H. Shipley, '22, 639 Linden Ave.
York, Penna.	J. L. Rosenmiller, '19	

ALUMNI FUND CLASS AGENTS

1873 W. M. Scudder	1892 H. H. Davis	1911 A. P. Spooner
1874 C. W. Haines	1893 J. Taylor	1912 Morton Sultzer
1875 J. H. Evans	1894 A. Weymouth	1913 R. T. Dynan
1876 W. L. Raeder	1895 R. S. Taylor	1914 W. A. Schrempel
1877 H. S. Jacoby	1896 J. deB. Amador	1915 C. E. Siebecker
1878 H. F. J. Porter	1897 J. H. Pennington	1916 E. J. Clement
1879 F. W. Sargent	1898 L. S. Horner	1917 A. Bach
1880 J. T. Reese	1899 A. W. Klein	1918 A. E. Buchanan, Jr.
1881 T. M. Eynon	1900 E. A. Yellis	1919 H. D. Gluder
1882 E. H. Lawall	1901 E. T. Murphy	1920 Mercer Tate, Jr.
1883 A. E. Forstall	1902 A. A. Diefenderfer	1921 L. Bevan
1884 A. Parker-Smith	1903 S. P. Felix	1922 S. Cottrell
1885 H. O. Jones	1904 F. P. Sinn	1923 A. W. Hicks, Jr.
1886 C. H. Veeder	1905 W. H. Lesser	1924 J. F. Rogers
1887 C. A. Buck	1906 S. J. Curt	1925 A. L. Bayles
1888 H. H. McClintic	1907 Raymond Walters	1926 Davitt S. Bell
1889 C. W. Hudson	1908 J. M. Fair	1927 John B. Hayes
1890 H. A. Foering	1909 S. R. Schaefer	1928 W. B. Billmeyer
1891 W. Forstall	1910 M. L. Jacobs	



A group of Ingersoll-Rand Air Motor Hoists in a railroad machine shop

I-R Air Motor Hoists Help Reduce Production Costs

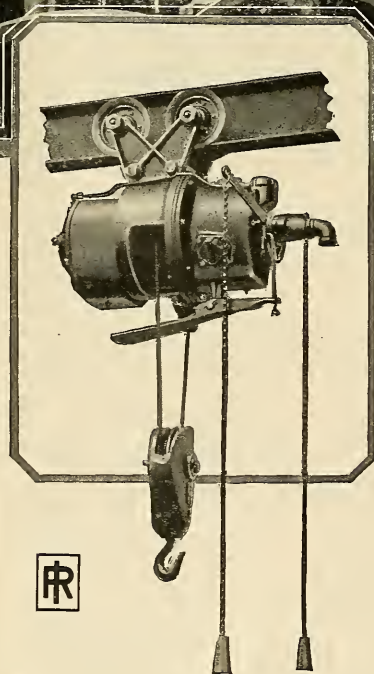
In numerous shops like that pictured above, Ingersoll-Rand air-operated hoists are saving the time of skilled laborers. They are used for quick lifting and lowering, and for the accurate placing of pieces on machines.

These hoists are but one of the many classes of compressed air tools and appliances manufactured by Ingersoll-Rand Company. Other types include chipping and riveting hammers, drills, grinders, woodborers, scaling hammers, sand rammers, and clay diggers.

INGERSOLL-RAND COMPANY

11 Broadway

New York City



Ingersoll-Rand

Lehigh Alumni Bulletin

MARCH, 1930

There Ought to Be a Law . . . I'VE just been up to the house and there's hardly anybody around," complains the alumnus, paying a Sunday visit to the campus. "Where do all the boys go, anyhow? In my time Sunday was one day when we were all home, just like one big family. There ought to be a rule . . ."

It seldom occurs to the inquirer that even as he asks the question, his own friends at home may be turning away from his bolted door and reading the mute message of his empty garage. The rising generation has taken a leaf from his own book, and on it may be read the motto of this mobile age—let's go places and do things. Where are the students? Oh, Spike and Phil went up to New Haven with the wrestling team; Pop and Jim are in Baltimore at a wedding; Slim and Ray went home for a dance and a bunch of the sophomores set out yesterday to "bum" their way to Atlantic City. A columnist of the *New York Times* has expressed it nicely:

Sweet Auburn, loveliest college of the plain,
How few of all thy sophomores remain!
Gone are the well-contented junior swarms
That used to fill these hospitable dorms,
And far away thy seniors rove the land
From Nova Scotia to the Rio Grande.
Ah, well, old dear, bow not your head in sorrow;
They will be back again in class tomorrow.

The week-end exodus is not the "problem" of any one college. Indeed, it is not a problem at all, but merely a nation-wide manifestation of the insignificance of mere mileage in the modern scheme of things. "They'll all be back again in class tomorrow"—and as unconcerned about their excursion as Dad used to be about a Sunday hike.

Perhaps the weekly exodus ought to be "viewed with alarm," but we have an odd theory that each individual maintains an approximately constant ratio of work to play and that the surroundings he chooses for each are irrelevant. However, since the question seems to be giving concern to some educators as an indication of the lack of "serious purpose" on the part of their students, and since some alumni assert that it is

largely responsible for the alleged decline of college spirit, perhaps we should give it some serious thought and personal study. We don't know just when we'll get around to it, however, as we're not in town over the week-end very often.

Why Lehigh Needs More Dormitories

IT WOULD be very easy to tie in the foregoing reflections with the next step in Lehigh's building program—new dormitories. It might reasonably be argued that attractive living quarters on the campus would stem the Saturday emigration. Such a thesis might sound very plausible but, unfortunately, we don't believe it. There are a number of adequate reasons, however, why additional dormitory facilities at Lehigh are urgently needed. Several of them were set forth by President Richards in his remarks to the alumni homecoming meeting on Washington's Birthday.

Of Lehigh's student body of 1500, there are about 600 boys who live "around town." At best, a "furnished room" is not apt to supply a stimulating environment for academic endeavor. And, while they rarely stop to think about it, these boys miss a lot. They miss the "bull sessions" and the intimate camaraderie of the "dorms"; the room-mate that helps you with your calculus and borrows your shirts, the upper classmen who hand down advice and tradition; they miss the midnight feeds, the impromptu games and the thousand and one episodes of college life that will still provoke reminiscent chuckles when their own boys have grown up. Nothing very academic about such attractions, you may say; yet the scholastic records of the dormitory sections is consistently higher than that of the "town" group. And if you believe that the old-fashioned college spirit no longer exists, there is no quicker way of disillusioning yourself than by visiting "the dorms."

There is good reason to believe that the provision of attractive housing on the campus for practically every student would be sincerely welcomed by parents as well as by the boys; that the undergraduate body would be welded into a more cohesive unit, thereby stimulat-

ing *esprit de corps* and promoting such healthy enterprises as inter-section athletics; that the general average of scholastic attainment would be raised and that Lehigh's provision for the physical and social welfare of her students would then be commensurate with the splendid facilities now afforded for their intellectual development. It is to this end that Lehigh aspires to provide a dormitory system that will be a bit more than a collection of furnished rooms—a campus home for her boys.

After President Richards had outlined the ambitious scale on which he plans to meet this need, an alumnus was asked what he thought about it. "It is a monumental conception," he replied, "and it will take some real money. But if Dr. Richards wants it, he'll get it, all right." Which isn't such a rash prediction, at that.

Sooner or Later a Graduate School

ANOTHER ambition revealed at the Mid-Winter Homecoming was the development of a well-organized graduate school at Lehigh, from which holders of bachelor's degrees could obtain the doctorate. Many of us old timers, who consider ourselves fortunate to have wriggled through our four years, fail to realize the large proportion of present-day college graduates who pursue their studies beyond the baccalaureate degree. Professor P. M. Palmer, head of our Arts College, reports that 25 of the 59 Arts graduates of last June are attending graduate schools. Incidentally, Professor Palmer's boys are welcomed by the leading graduate colleges, for in all the years he has been sending Lehigh graduates to medical and law schools, only one man has failed to make good. Professor J. W. Barker, head of the Electrical Engineering Department, told a recent meeting of the Philadelphia Lehigh Club that four years of undergraduate work is not enough to produce the kind of engineers he aspires to supply. More and more, industry is recognizing the value of the man who has, in addition to a broad general background of a college course, complete mastery of a specialized branch of knowledge. The graduate school has come to occupy a prominent place in "education for service."

There is another aspect of this subject that is of prime importance to the University. Graduate students are a stimulus and an inducement to great teachers. The real scholar may stagnate if his work is confined solely to undergraduate instruction. Graduate students give him the opportunity to improve himself by carrying forward the specialized studies in which he is most interested. The lack of a formally organized graduate college at Lehigh has cost us some distinguished faculty members in recent years. For that reason, especially, we welcome the news that a graduate school at Lehigh is among the projects that are receiving earnest consideration by the administration.

Columbia's Gain, Lehigh's Loss

ELSEWHERE in this issue will be found the announcement of Professor Barker's resignation as head of the Department of Electrical Engineering. He leaves to become Dean of the College of Engineering at Columbia, a big job, but one which our brief association with him convinces us he will admirably fill. Although Professor Barker has been at Lehigh but one year, he is a full-fledged member of the family, and we are sorry to surrender him to Morning-side Heights. His numerous friends among the alumni of Lehigh wish him every success in his new and broader field of activity.

Appropriate Dedication for a Superb Building

IN CONJUNCTION with the dedication of the James Ward Packard Laboratory of Electrical and Mechanical Engineering to be held on October 15, 1930, Lehigh is planning a three-day program of timely interest. In addition to the formal dedicatory exercises, four conferences are scheduled, with a remarkably distinguished array of industrial and educational leaders contributing papers. These sessions are designed to crystallize "what industry expects of the universities" and "what the universities expect of industry." It will be a grand opportunity for the industrialists to register their frank opinions of the job that the American colleges are doing and for the educators to unburden their minds as to the responsibilities that industry should acknowledge to the colleges and college men.

The conference will be an event of national importance, a fitting house-warming for the beautiful building and an appropriate gesture to the memory of the alumnus who made it possible.

Training for World Affairs

PRINCETON has announced a new brand of higher education—a School of Public and International Affairs. It will give training in both undergraduate and graduate years, seeking to impart "a fundamental background for a better understanding of the new movement in national and world affairs." The primary purpose of the program is the training of men who expect to enter public life and international business. It will seek to equip young men in a broad sense in the fundamentals of citizenship.

It is appropriate that Woodrow Wilson's Alma Mater should inaugurate this experiment, which conforms to the conception he voiced in 1896: "If the University is to do its right service . . . the air of affairs should be admitted to all its classrooms . . . the air of the world's transactions, the consciousness of the solidarity of the race, the sense of the duty of man toward man . . ." Time only will reveal the effectiveness of such training; meantime, the new school may be regarded as the ultimate effort in a general trend to "broaden" college curricula.

Seen on a Tour of the Campus on February 22, 1930



*"Shorty" Long was found in the Chem. Lab.
working on his drying oils*



*H. G. Turner let us look through his microscope
to see the structure of anthracite*



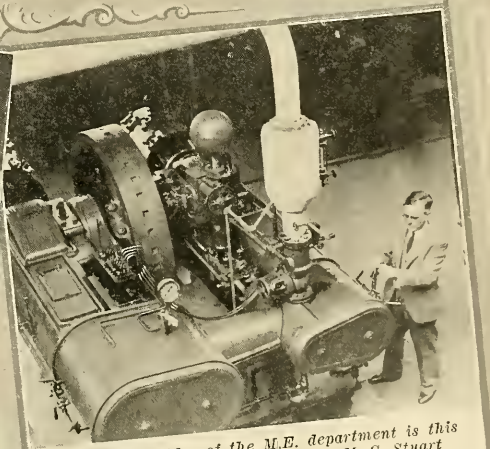
*In the welding laboratory in Williams Hall.
G. E. Doan delves into the hows and whys of welding*



*Stanley Thomas and R. W. Hall raise all sorts of
things in their new green-house*



*We found M. O. Fuller in the Fritz Lab.
running tests on concrete*



*One of the prides of the M.E. department is this
big compressor, shown here with M. C. Stuart*



The Machine Myth^{*}

The theory that the use of labor-saving machinery decreases the worker's opportunities is a myth, says F. A. Merrick, '91. "If there were no machines today there would be no art, literature, science, leisure or comfort for anyone without slavery. It is important that we Lehigh men who are engaged in developing and extending the use of machinery should understand this myth if humanity is to secure maximum benefit from our work."

A MYTH is essentially an easy-to-believe assumption in place of a reasoned analysis of facts. It was easier for the ancients to invent the myth of Apollo and believe that the sun was drawn across the sky by horses than to work out the true mechanics of the solar system. It was easier for the medieval scholars to deny the Antipodes and devise a mythical geography than it was for them to conceive that there were people who lived on the underside of the earth and who walked around, relatively speaking, upside-down. And it is very easy for those who are not in position to follow the ramifications of a somewhat complicated economic process to believe that machines, which reduce the amount of labor needed to perform certain operations, also of necessity reduce the total amount of labor needed by society.

Thus arose the "Machine Myth"—the idea that has been current for over a century, and is still held by many people today, to the effect that the use of labor-saving machinery tends to decrease the worker's opportunities for employment and to reduce his wages.

It does not follow, however, that this idea is purely a product of imagination. In every myth there is at least slight basis of fact, and the machine myth to a certain extent comes under this classification. It is of the utmost importance that we who are engaged in developing and extending the use of machinery should realize this, if humanity is to secure the maximum benefit from our work.

It is safe to say that, barring those who have a highly developed inventive proclivity, people in general do not love a machine for its own sake. The reason we cultivate our development of such things is that we either must have them, or else must resort to the alternative of doing without a service, or of securing it in a more laborious way.

A human being who is absolutely dependent upon his own muscles can just barely keep himself alive under favorable circumstances; and to raise himself above the animals he must in some way supplement his own feeble strength. Civilization came into existence because certain strong groups of people used the muscles of men and women of weaker groups for this purpose; if there were no machines today there would be no art, literature, science, leisure, or comfort for anyone without slavery.

But, fortunately, some one, long before the dawn of history, discovered that it was

easier to pry up a rock with the aid of a stick than to lift it up with his hands; and from then on man has always employed tools and machines of some sort to aid him in his struggle for existence.

THOMAS CARLYLE has defined man as "a tool-using animal" and, when one thinks of it seriously, there is nothing which differentiates man on the material side of things more than his use of tools. As knowledge increased he improved his mechanical equipment, making his life easier with every advance. This has, in general, been a continuous and steady process; but on at least three occasions the rate of mechanical progress increased with marked abruptness.

The first of these sudden spurts occurred in the early part of the last century, following the general introduction of the steam engine. It took place in England and is known as the "Industrial Revolution."

The second was the direct result of the perfecting of the alternating-current system of electricity. This system made possible the general use of electricity in industrial plants; and because it possesses certain advantages, electric power was speedily substituted for steam in a large number of industrial processes. This movement, known as "The Electrification of Industry," started in America in the last century and has now spread all over the world.

The third change likewise started in America, and is of very recent origin. It is due to a number of factors, including the experience of our industries during the World War and the wide vision which characterizes American industrial leaders and workers. It is essentially an extension of the electrification movement, but there is the following new element in it.

Heretofore the application of electricity to industry has been more or less of a piecemeal proceeding. A little was done here and a little there; and though this has continued until many of our industries are now considered completely elec-



^{*} Abstracted from "The Electric Journal" for Feb., 1930.

trified, there is evidence everywhere of a lack of unified development. The new method, which is now attracting world-wide attention as "The Mechanization of Industry," consists in taking an entirely fresh start and designing the complete equipment of a given factory, mine or other plant to take full advantage of all applicable modern automatic, semi-automatic, and labor-saving devices, with the object of reducing the cost per unit product to the lowest possible figure.

This fact is incontestable—the mechanization of industry is undoubtedly changing the status of employment in the major portion, if not all, of the industries. As to the consequences of this fact, there are those who view it with pessimistic forebodings, and there are also those who see in it the release of mankind from the drudgery of mere muscle-wearing toil, and with increasing leisure to enjoy the abundant fruits of his lessening exertions.

THOSE who take a gloomy view of the machine, who regard it as a veritable "Frankenstein Monster," believe that the mechanization of industry will affect us adversely in at least the three following ways:

In the first place, since every time a labor-saving machine is put in operation it throws a certain number of men out of work, they reason that the farther the mechanization of industry is carried out, the more serious the unemployment situation will become.

Second, they are confident that the mechanization of industry will eventually result in overproduction and will ruin business.

Third, they claim that the machine is an unnatural soul-and-body destroying thing, reducing the operator himself into a sort of scarcely humanized mechanism; and that if we continue to increase our reliance on mechanization at the present rate, civilization and organized society, or at least all the finer human qualities, will eventually be submerged.

Discussing this last point first, to hold the view that the machine is subversive of human welfare is simply to shut our eyes to the facts about us. After all is said and done, man has always used tools and machines and always will, and he will always make more and better ones at every opportunity. It is as useless to advise him, as many have done, to return to hand labor, as it is to suggest that he should grow fur or fins.

The other two indictments against the machine—the creation of unemployment and of overproduction—are of a different order. Both of these things may happen in the progress of mechanization, but they are the superficial and incidental effects in the readjustment period of progress.

And right here it should be emphasized that here lies the origin of the Machine Myth. It arises from a view which concentrates on the easily discernible transient conditions, while failing to search out the deeper reasoning among the fundamentals. This is the basic reason for the origin of a myth as spoken of in the opening paragraphs. In the case under discussion, however, there is a very human reason for great emphasis on the superficial and transient effects—for no

one and no class is in this day and age so hard-boiled as to look on even temporary enforced unemployment without a feeling of distress. Hence the persistence of the Machine Myth—this and the circumstances of its originally taking form.

THE foundation of our present scale of living is the greater productivity of the individual, made possible through our wide-spread use of labor-saving machinery. Averaging all the country over, it is calculated that the hand of the individual American worker moves to its work with the aid of about five horse-power and with a control of touch undiminished in accuracy and nicety—both of these attributes becoming possible through the widespread availability of electric power for all applications, and the wonderful refinements in regulation and control.

It is feared by some that there must be an end to the processes of ever-increasing production—that the final result will be a glut of unconsumable goods. In the course of the operations of a complex industrial system such as we live with and by, the production of some commodities is at times over done, but generally speaking civilized man's desire for manufactured comforts and luxuries is insatiable, and he will continue to work indefinitely to secure them. If there is a limit, it is not yet in sight.

That labor-saving machinery actually creates a demand for labor is well shown by the case of the automobile. Because automobiles are being produced in this country by a well mechanized industry, their average wholesale value is \$542 apiece, and they are being turned out at the rate of over 4,000,000 a year. According to the National Automobile Cham-

ber of Commerce, 800,000 workers are directly engaged in making automobiles and parts, and 4,000,000 workers are being employed by industries created by the automobile, such as road-building, and the supplying of raw materials, details of equipment, oil, gasoline, and services of various kinds.

But if automobiles were hand-made it is estimated that the cheapest modern type would cost \$10,000. It is obvious that the demand for such high-priced cars would be very small, and that only an insignificant fraction of that army of 4,800,000 people would find work in making and servicing them.

This principle, that the use of labor-saving machinery increases the demand for labor under American conditions, hold good for the nation as a whole.

The American workman has taken a prominent part in laying the ghost of this Machine Myth. He has had the intelligence and judgment to realize that his own welfare improves with every decrease that can be effected in the cost of production. To cooperative understanding of this kind in our industrial field we owe the exploding of the Machine Myth in this day and age; and continuance of such cooperative understandings can be counted on to explode likewise any of the other myths that arise to block temporarily the progress of development.



F. A. Merrick, '91
President, Westinghouse Electric and
Manufacturing Co.

Annual Winter Homecoming Provides Birds-eye View of Current Campus Activity

ALTHOUGH advertised as the "Mid-Winter" homecoming, the alumni reunion on Washington's birthday belied its title for the weather was warm and spring-like. The visiting alumni wandered over the campus without overcoats where at previous meetings on the same date, they were obliged to plow through snow drifts. The balmy weather was especially conducive to informal ramblings about the buildings, and for this reason the visitors did not congregate in the Alumni Office Headquarters as usual—in fact, many never even got around to registering.

The new University Library was the major center of interest and Librarian Leach and his staff were kept busy all morning directing small groups through the spacious addition and explaining the uses to which the many rooms are to be put. There were many among the returning alumni who had not previously inspected the James Ward Packard Laboratory and it was evident from their delighted comments that even the glowing descriptions of this building that had been published have fallen short of doing it full justice.

Other points of interest that were visited during the morning included the new greenhouse and vivarium in the rear of Williams Hall. Here Dr. Robert W. Hall, head of the department of biology, is cultivating an interesting collection of botanical specimens. This substantial little brick building, with its glass roof, supplies a much needed laboratory for the department and, although but recently completed, it is already a center of scientific activity. In the east end of Williams Hall proper, Prof. Bradley Stoughton proudly exhibited the new quarters of the department of metallurgy, comprising eleven rooms admirably adapted to the specific needs of the department. The new metallurgy lecture room is one of the lightest and most pleasant on the campus. The new quarters for the department library are spacious and attractive. In addition, the new arrangement provides several well-equipped laboratories for instruction and research purposes.

Those alumni who strolled through the Physics Building were astonished

to observe the changes made therein since the western end of the building was vacated by the electrical engineering department. Given this opportunity to spread itself over the entire building, the physics department has blossomed out with a most effective and serviceable arrangement of classrooms, lecture rooms and laboratories. A number of the visiting alumni who

ed and 11 major departments of the University were called upon to present a five-minute summary of their own activities.

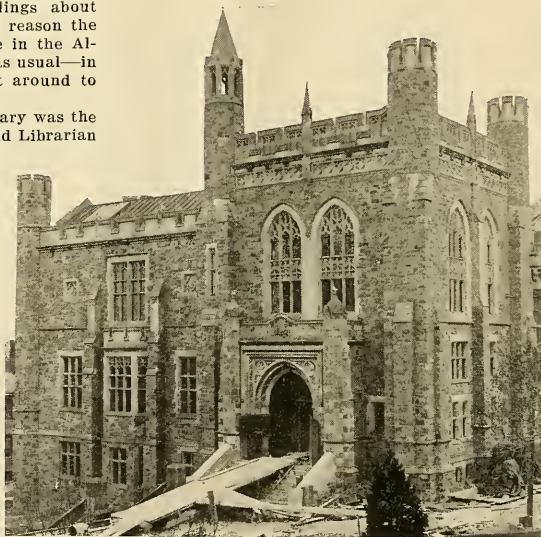
PROF. P. M. Palmer, head of the Arts College, reported the healthy growth of his Department and emphasized his policy that all higher education which counts is self education. For that reason the Arts College is trying to furnish its students with opportunities for self-education by the use of the seminar system, and "honors work," in which the student sometimes attains to independent research. There is a wholesome spirit of co-operation between the Colleges of Arts, Business and Engineering.

The new University Library will be of great help to the Arts men, Professor Palmer pointed out, for it is regarded by the Department as their "laboratory."

Dr. Neil Carothers, head of the college of business administration, recalled he had addressed a similar group three years ago and that his remarks at that time had been half apology and half promise. He was gratified to report now that he no longer felt called upon for any apology as Lehigh's college of business administration

has definitely taken a place among the leaders in this type of education. Its staff is, in his judgment, fully as able as that of any similar college in the country and its graduates are in heavy demand.

Prof. H. E. Eckfeldt, '95, head of the department of mining engineering, spoke of his need for enlarged laboratory quarters. While Lehigh's reputation in mining engineering is still of the highest, he pointed out that other universities are making strong bids for pre-eminence in this field. The recent completion of the new mining engineering building at Lafayette is somewhat of a challenge to Lehigh's leadership in this district. Professor Eckfeldt proposes to make more effective use of the Cox Laboratory by replacing some of the full scale equipment with working models which he believes entirely adequate for instruction and experimental purposes and also by



The New Library

are in the contracting business were observed in the Fritz Laboratory deeply engrossed with Dr. W. A. Slater, research professor of engineering materials who is conducting elaborate studies on concrete and on welded structural steel.

The first assembly of alumni was at luncheon which was served in Drown Hall at 1 p.m. About a hundred comprised the party that sampled the Lehigh cafeteria's bill of fare, and so many conversations got under way at the various tables that it was after 2 o'clock when the crowd got upstairs for the meeting in the auditorium.

A novel plan of presenting a bird's-eye view of current campus activities was used for this year's program. It is hopeless for any alumnus to see more than a small fraction of what is going on in the course of a single morning. Therefore, the principle of "bringing the mountain to Mohammed" was adopt-

converting the upper floor of the building to useful laboratory space. He also made mention of the emphasis that the department is placing on the mechanization of mines, stating that the profit on mining operations in the future will be proportionate to the extent of mechanization, and that present students in mining engineering must realize the importance of this modern trend.

DR. H. M. ULLMANN, head of the department of chemistry, described the relief of the former congested conditions in the chemistry building afforded by the acquisition of the metallurgy wing. He dwelt particularly on the extensive research work being conducted by members of the department with the aid of fellowships established by various industries. Throughout his remarks were occasional revelations of his unique philosophy of education which, to a large extent, explains the popularity of the chemistry department with the undergraduate body, evidenced, for example by the practice of each Freshman class of assigning their cash refunds from laboratory deposits each year to the department for the support of research fellowships.

The civil department was represented by Prof. W. A. Slater, who is in charge of the Fritz Engineering Laboratory and who described the numerous laboratory investigations that are being conducted under his direction into relative merits of various construction materials. Notable among these researches is that dealing with the strength of re-inforced concrete with various clay admixtures. Another study that has recently received much favorable comment from the construction industry was a comparison of the strength of welded versus riveted joints in steel construction. The facilities of the Fritz Laboratory are taxed to the utmost by the present program, said Prof. Slater, and additional space would be extremely welcome. The prospects for future testing work indicate that the same scale of activity will be maintained for some time.

PROF. J. W. Barker, head of the department of electrical engineering, appeared before a home-coming group for the first time and in his characteristic crisp, emphatic style, outlined the conceptions which have shaped his reorganization of that department. He spoke particularly of the futility of trying to produce finished engineers in a four-year course and the consequent trend away from specialization and toward an increased quota of cultural, social and humanistic studies. Prof. Barker revealed the intense satisfaction of the department in the splendid quarters provided by the Packard Laboratory and its ambition to give a training commensurate with the perfection of its facilities.

According to Dr. Benjamin L. Miller, head of the department of geology, that science is coming more and more into contact with such industries as mining, construction, and chemical production. New methods of prospecting have brought the geologist into co-operation with the electrical engineer. Research into fuel technology have called him into the service of industries that produce or consume coal and oil. More and more, the civil engineer insists that the geologist pave the way for him in laying out construction projects. Dr. Miller reported on the highly original research conducted in his department on the structure of anthracite coal. He also expressed his desire to make the department of service to the public and industries of the Lehigh Valley, stating that this region is immensely wealthy in its geological resources and that much of his department's time is devoted to co-operation with the State Geological Survey.

Speaking for the department of mechanical engineering, Prof. F. V. Larkin told of the immense stimulus supplied by the completion of the Packard Laboratory and commented especially on the pride of the engineering students in the building as evidenced by their meticulous care of the new facilities. He reported encouraging growth in the popularity of the new course in industrial engineering. While the department is still mainly occupied with the task of establishing itself in its new home, research work is gradually getting under way and extremely practical and promising fields will be explored in the near future.

PROF. Bradley Stoughton brought back varied memories to his alumni auditors by referring to the "Met problems" that have featured the course in metallurgy ever since the late Dr. Joseph W. Richards laid the foundations for metallurgical calculations. "We are not planning to take any of the labor out of 'Met' problems," said Prof. Stoughton. "Our new quarters give us admirable facilities, both for instruction and research and our staff is busily engaged in both fields of activity. During the past year, thirteen papers prepared in the department have appeared in the technical press." (Prof. Stoughton modestly omitted the fact that among these papers was one written by himself which won for him the Grasselli Medal for the "most notable contribution to industrial chemistry.")

The faculty and the departments of instruction having had their say, and presented their versions of current campus activity, it was only fair to hear from one of their "victims." Therefore Ellis Oller, '30, President of the Interfraternity Council, spoke as representative of the student body, voicing undergraduate opinion of the present program and progress of Lehigh. Oller revealed the enthusiasm

of the student body for all the steps that have been taken toward the achievement of a greater Lehigh. He mentioned a few of the topics which are being discussed at undergraduate "bull sessions," notable among which was the subject of compulsory Chapel. He expressed the belief that it is almost time for the abolition of that ancient tradition.

FINALLY, President C. R. Richards voiced the problems, the triumphs and the aspirations of the administration in a brief address, the key-note of which was "The job is not done and never will be done." He called attention to the fact that all the preceding speakers had revealed that some of their ambitions are blocked by the facilities at their disposal. While our physical plant is now in first class condition and provides adequately for the instruction of the student body, the very progress that has produced this result has created new needs and inspired still more steps ahead. "And it must always be thus," he said, "for unless the whole institution is striving to progress and improve there must be something wrong with it."

Dr. Richards revealed the next step projected by the Trustees in the matter of physical plant to be a splendid dormitory system which will provide living quarters for 600 students on the campus. Preliminary studies for the projected buildings have been prepared by the university architects and while there is no intention of launching a campaign for the necessary funds, it is hoped that some philanthropist may be found who will see in this project an opportunity to erect a magnificent monument. Studies of scholastic records of the various groups of students, said the President, reveal the fact that men housed in dormitories generally make better scholastic averages than any other group. It is also believed that by housing all students on the campus, college spirit would be strengthened and the student body would be welded into a more cohesive group. The fact that nearly six hundred boys are at present obliged to find living quarters wherever they can, around town, makes the need for comfortable quarters under University supervision an immediate necessity.

THE meeting was adjourned at about 3:30 p.m. in order to allow everyone to get down to the gymnasium for the basketball game with Lafayette. A block of seats had been reserved for alumni through the courtesy of Graduate Manager Petrikin and the visitors were admitted at the side door. The game is reported in detail elsewhere in this issue, so that it may suffice to say here that the final score was 37 to 26 in favor of Lehigh, thus putting a fitting climax to another extremely pleasant mid-winter homecoming.



Billy Sheridan, maker of wrestlers, in his work shop

Wrestlers' Streak Broken by Navy

After sailing through the first half of the season in real championship style without losing a meet, the wrestling team received a severe jolt against the Navy when they were thrown for a 27 to 3 defeat. This was the first setback a Brown and White wrestling team has had in two seasons and it came like a thunderbolt out of a clear sky.

After mid-years, the team resumed activities against the University of Chicago whose wrestlers were on a swing through the East. Chicago, Penn and Lafayette were defeated in rapid succession with ease but when the team went down to the Navy, Evers was the only Lehigh wrestler to win, thereby preventing a shut-out.

The next Saturday the team went up to Yale and was held to a 12-12 tie by the Blue. The surprise of this meet was the defeat of Evers, the Brown and

White heavyweight, by Rotan, a sophomore. This was the first defeat of the Lehigh heavy by an opponent on a team in the Intercollegiate League. But when it is known that this newcomer is some six feet five inches in height and weighs about 235 it can readily be understood why Evers suffered his first defeat.

Then along came Cornell for their annual battle and the Lehigh matmen didn't fare so well against the Ithacans. The Red team included four veterans, all of whom looked impressive but were given close fights by less experienced Lehigh men. The final score of 20 to 6 hardly tells the true story of the meet. Phillips, Lehigh veteran 115-pounder, who got back on the team soon after mid-years, won his bout without any trouble and Evers managed to get a twenty second advantage on his opponent after an over-time battle.

Even though the scores in both the Navy and Cornell meets were apparently one-sided, the majority of the bouts in each meet were very close, with small time advantages deciding the issue in practically every case.

The team has one more dual meet, with Columbia, which should not be a very hard obstacle and then the Intercollegiates the following week at Cornell.

Right now, Lehigh will be anything but a favorite to retain the title in the championships, and will probably enter the meet in the role of a dark horse. In addition to Cornell, State has a strong array of veterans and looks like the favorite to win the title, partly because the Nittany Lions got the best of Cornell in a dual meet with plenty to spare.

		Opp.	L.U.
Jan. 11	Syracuse	12	18
Jan. 18	Princeton	13	19
Feb. 1	Univ. of Chicago.....	8	22
Feb. 8	Pennsylvania	6	30
Feb. 12	Lafayette	3	25
Feb. 15	Navy	27	3
Feb. 22	Yale	12	12
Mar. 1	Cornell	20	6
Mar. 8	Columbia	Away	
Mar. 14, 15	Intercollegiates.....	At Cornell	

Swimmers Having Good Season

To date the swimming team has three victories to its credit and two defeats chalked up against it. One of these losses was to Rutgers, always strong in this sport, with one of their greatest arrays of swimming stars including George Kojac, Olympic star. This meet marked the resumption of activities after a long lay-off because of mid-years. The next two encounters with C. C. N. Y. and Delaware were won without any trouble, the latter without the services of Hal. Cushman, the star of the team, who was on the sidelines in order to give an injured knee a merited rest.

The meet with Rutgers was one of the best seen in Taylor Pool in some time, even though the visitors won it 35 to 24. Four out of six possible records were broken and a fifth was tied. Kojac, the brilliant Rutgers star, broke two of the records; the Rutgers relay team, another and Cushman, of Lehigh, turned in the fourth new record. Hoyt, another Lehigh swimmer, tied the pool



Capt. Letowt gets his deadly split scissors on Phillips

record in the 50 yard dash. All the records broken were pool records except the quarter mile by Kojac, which was also a new association record.

Lehigh will be host for the Middle Atlantic Intercollegiates in swimming this year. The event will be held here on March 15.

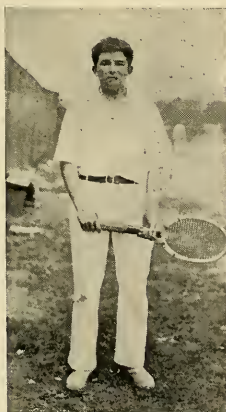
The season to date:

	Opp.L.U.	
Jan. 11 Army	41	21
Jan. 18 Lafayette	11	48
Feb. 15 Rutgers	35	24
Feb. 22 C. C. N. Y.	14	45
Mar. 1 Delaware	21	37
Mar. 8 N. Y. U.	Away	
Mar. 15 Intercollegiates	Home	

Capt. Seligson and Tennis Team Win Indoor Titles

Julius Seligson, Lehigh's tennis ace and captain of this year's team, for the third time captured the Larned cup, symbolic of the individual championship in indoor college tennis, thereby defending his title and making him thrice king of the undergraduate racket wielders. In capturing the title, Seligson was largely responsible for Lehigh winning the indoor title for the second consecutive year. Sidney Snitkin, '31, a newcomer to the Brown and White tennis team, paired with Seligson in the doubles and also contributed to Lehigh's team total of 19 points. Penn was second with 16. There were a total of twelve colleges represented including most of the larger universities in the East.

In his fight to retain the title Seligson drew a bye in the opening round; defeated A. P. Hayes, Amherst, 6-1, 7-5; John M. Richardson, Dartmouth, 4-6, 6-2, 6-3; Gabriel Lavine, Penn, 6-0, 7-5, and Robert Ryan, Yale, 6-4, 6-4 and 6-2. Ryan was the dark horse of the tournament.



As a result of this team victory, the trophy room in the gym. has been enriched by another trophy, a cup which is a replica of the large Larned Cup at Cornell. Seligson received another cup for his individual title and his name is

also engraved on the large cup. The Larned cup is in memory of Wm. A. Larned, a Cornell alumnus in the Class of '94, who was seven times champion of the United States.

Snitkin was beaten in his first round by the junior champion from Ohio. In the doubles match the two Lehigh men came within a stroke of winning their semi-final match against Lavine and Kardon of Penn, who won the doubles title.

By virtue of his victories in this tournament, Seligson has yet to lose a match in intercollegiate competition. He has won every college match in which he has participated, the number now approaching fifty.

In his final match with Ryan, it was Seligson's driving down the sidelines to the corners that forced his opponent into many errors and finally tired the Yale man out. It was Seligson's steadiness and superior control which gave him the victory.

Quintet Wins Series With Lafayette

The Navy seems to be our nemesis this year. The Midshipmen not only succeeded in breaking our prolonged series of wrestling victories in a decisive manner but also stopped the basketball team on its victorious way.

Prior to mid-years, the quintet conquered all opposition both at home and away but in the first game after the recess the Navy put a sudden stop to the streak, winning 38 to 29. This was only the first of four successive defeats, the next three games being dropped to W. and J., St. John's of Brooklyn and Muhlenberg. The sad part of the story is that the only one of these teams which was really superior was St. John's. They boast of one of the best fines in the East with passing developed to a perfection seldom seen in college ranks. There was no good reason for losing to W. and J. and Muhlenberg. Both games were marked by ragged playing by both teams, with the Brown and White probably a little more ragged than the opposition.

The team got all the bad playing out of its system by the time Lafayette came up for the first game between the rivals before the alumni at the mid-winter homecoming. The winning ways were continued against the crack Crescent Athletic Club on the latter's floor in Brooklyn. The team showed its best form of the season against this team, forging ahead near the end of the game and clinging to the lead.

For the first time in three seasons, Lafayette was defeated on their home floor, which is one of the largest in the East, and hard for visiting teams to get accustomed to. Bob Many, Lehigh's stellar forward, was a very important factor in this victory, scoring nineteen points himself out of a team total of thirty-one.

So with the exception of the lapse in mid-season, the team has had a fairly

successful campaign with the balance decidedly on the right side; and last but not least, the Lafayette series tucked away for the first time in three years. Incidentally, Lafayette has come out on top in only one sport so far this year—cross-country, in which they won by a single point.

To conclude the season the team lost the "Middle Three" title to Rutgers after a hectic game in which we had a 13 point lead at half-time, only to have it melt away in the second half. The team came back against Princeton in the finale and was the first Lehigh team to beat the Tigers in several years. "Buck" Schaub, a guard, is next year's captain. He is the third member of his family to star in Lehigh basketball.

	Opp. L.U.	
Dec. 11 Stroudsburg S.T.C.	22	64
Dec. 14 Gettysburg	24	27
Jan. 8 Ursinus	Cancelled	
Jan. 11 Swarthmore	31	36
Jan. 15 Haverford	28	39
Jan. 18 Villanova	34	40
Feb. 5 Navy	38	29
Feb. 7 W. & J.	24	23
Feb. 12 St. John's	34	25
Feb. 19 Muhlenberg	30	26
Feb. 22 Lafayette	26	37
Feb. 26 Crescent A. C.	34	38
Mar. 1 Lafayette	22	31
Mar. 5 Rutgers	47	42
Mar. 6 Princeton	25	30

Spring Football Under Way

The fact that it was cold and rainy on the afternoon of March 7th did not prevent Austy Tate from inaugurating his annual Spring football practice on an active scale. The candidates lost no time in getting into their togs and out onto the field for a regular drill such as could be seen on almost any afternoon last Fall. Hymie Goldman is on hand to help Austy with his charges in the Spring campaign. Austy has between fifty and sixty men working out daily.

The practices will probably last from three to four weeks and will be devoted largely to fundamentals and the development of basic formations and plays in Tate's system of offense and defense.

Spring practice this year is being held much earlier than in previous years, principally because it will not conflict with Spring sports schedules, which do not start until early in April.

New Fraternity is Installed

Howard Hall, a former living group at 511 Seneca Street, has become the Nu Chapter of Alpha Kappa Pi, a national social fraternity. The installation was conducted by Parke B. Fraim, '09, formerly of Lehigh Physics Department, and now Assistant Professor of Physics at Brooklyn Polytechnic Institute. He is province chief of the Alpha province of the fraternity.

This makes the thirty-first social fraternity at Lehigh. Alpha Chapter of Alpha Kappa Pi was organized in 1921, at Newark College of Engineering, Nu Chapter being the twelfth.

"Jake" Oppelt, well known to many Lehigh men, is manager of the house.



Prof. Barker Resigns as Head of E.E. Dept. to Accept Important Position at Columbia

PROFESSOR Joseph Warren Barker, who succeeded the late Prof. Wm. Esty as head of the Department of Electrical Engineering at the beginning of the current college year, has resigned to accept the position as dean of the faculty of engineering at Columbia University. Professor Barker will relinquish his duties at Lehigh at the end of the current semester to officially assume his new duties at Columbia on July 1, succeeding Prof. George P. Pegram who has served as dean of engineering there for the past thirteen years.

Lehigh is extremely sorry to lose Prof. Barker, but recognizes the compliment implied in Columbia's choice for such an important post. He will leave Bethlehem with the sincere regard of the many friends his aggressive leadership and forceful personality have won for him at Lehigh.

Professor Barker came to Lehigh last summer from the Massachusetts Institute of Technology in Cambridge, Mass., where he had been a professor in the Department of Electrical Engineering in charge of the administrative responsibilities connected with all undergraduate instruction and of certain outside relations maintained by the Institute with technical industries.

During his comparatively short stay at Lehigh Prof. Barker has supervised the establishment of the electrical engineering department in its new quarters in the new James Ward Packard Engineering Laboratory. He has inaugurated considerable additional research work both by undergraduates and members of the staff. The department has progressed materially under his supervision and he has earned the esteem of his associates and students. While he has confined his major efforts to the work of his department, he has not neglected to take an active interest in many of the other activities on the campus.



New York Club Sponsors Musical Club Performance

The concert of the combined musical clubs held on Feb. 28 in the grand ballroom of the Level Club, New York City, under the auspices of the Lehigh Club of New York was probably one of the most successful functions ever sponsored by Lehigh men in the metropolitan district. Certainly in the point of attendance the affair was quite unusual, for about a thousand Lehigh men and their friends were on hand to hear the attractive program presented by the undergraduates. It is only fair to say that a great deal of the success of the evening was due to the indefatigable efforts of the Club's president, William Wirt Mills, '87, formerly Commissioner of Plants and Structures, New York City. If there was a single detail of the preparations that the Commissioner overlooked it was certainly not apparent to anyone in the audience.

The opening number was "Hail to Lehigh" by the combined clubs, led by the author of that splendid song, A. N. Van Vleck, '08. In the course of the evening several selections were skillfully rendered by the symphony orchestra, the glee club and the dance orchestra. The symphony orchestra is directed by L. J. Luckenbach, '17; the glee club by T. Edgar Shields.

An interesting interlude in the program was supplied by the projection of motion pictures of life at Lehigh, prepared for the Club by its former president, C. H. Boynton, '89. The Alma Mater, which brought the formal program to a close, was led by its author, John J. Gibson, '95. As soon as the floor was cleared the syncopated strains of the dance orchestra enticed everyone on the floor and the dancing continued until 2 a.m.

Not only did the New York Club finance the trip for the combined clubs, but arrangements were made to accommodate all the boys over night at the Level Club. Needless to say, the undergraduates were delighted with the royal reception they received and because they regard the trip as a reward for their efforts, it is certain that the event will prove a stimulus to the musical clubs. An even more far-reaching effect, however, may be the favorable interest in Lehigh which was created in many of the guests.

The New York Lehigh Club is looking forward to a dinner in honor of the Lehigh wrestling, basketball and swimming teams which have been quite successful this winter. The Club also hopes to provide an opportunity for its membership to hear the interesting experiences of W. S. Murray, '95, on his recent world tour.

New Lehigh Club Born in Erie

A new Lehigh Club became an actuality in Erie, Pa., on February 6, when a luncheon meeting was held at the Indich Restaurant in that city. In the election of officers, Bill Scarlett, '28, was chosen president and Joe Conrath, '29, secretary. Many of the older Alumni in that vicinity are interested and active in the organization but declined an office because of their being out of town much of the time.

Luncheon meetings have been planned for the second Wednesday in March, April and May, with the possibility of a larger meeting some time this Spring, probably in the evening.

The primary function of the Club is to bring the advantages of Lehigh to the attention of the right kind of prospective students in the Erie district.

Reading Lehigh Men Hold Monthly Luncheon

The Lehigh Club of Southeastern Pennsylvania has inaugurated the practice of holding informal luncheons on the first Monday of each month at the Brittany Tea Room, 4th and Washington Streets, Reading. The three luncheon meetings held thus far have brought out a surprisingly good crowd and these informal get-togethers have provided opportunity for discussing plans for future formal meetings. They have also given rise to several excursions to the campus for outstanding athletic events. The luncheon is held each month at 12:15 and any Lehigh man who happens to be in Reading on the first Monday of the month is cordially invited to attend.

Home Club to Cooperate in Sub-Frosh Activities

At the annual meeting of the Lehigh Home Club, held at the Hotel Bethlehem on March 3, in addition to the election of officers and directors for the ensuing year, the Club was strong in its approval of the new system for handling sub-freshman day, whereby the University and the undergraduates will have practically entire charge of the activities. The local alumni, however, expressed their willingness to cooperate in handling the prospective students in any way that seems feasible.

In the election of officers, Art. Cusick, '23, was chosen as president; Jim Huebner, '21, vice-president, and John Maxwell, '26, secretary-treasurer. The directors are John Cullinney, '13; Scott Long, '13; George Bahnsen, '10; John Liebig, '14; George Flick, '14; Austy Tate, '17; A. E. Buchanan, '18; Otto Spillman, '19; Cullen Ganey, '20; Merritt

Judd, '20; Len Bray, '23; Dave Getz, '23; Warren York, '24, and Boh Harrier, '27.

The speakers at the meeting were Billy Sheridan, our wrestling coach, and Prof. J. W. Barker, head of the Department of Electrical Engineering.

Billy explained some of the principles and theories he uses in developing winning wrestling teams, concentrating on promising freshmen and making sure they get as much action as possible in actual outside competition. He stressed the significance of experience, pointing out that it probably means more in this sport than any other. He was strong in his praise of the present day college student, saying that he was often surprised at the rational point of view the present undergraduates have on current topics, and occurrences at the University. He was optimistic about Lehigh's chances in the intercollegiate at Cornell, but, of course, would make no definite predictions.

Prof. Barker explained the main object of his department, which is to train the students to think logically, consecutively and intelligently on engineering problems. Since it is impossible to turn out finished engineers in four years, his department concentrates on instilling the fundamentals of electrical engineering in the students.

In concluding, Prof. Barker praised the pride the undergraduates in his curriculum have taken in the new Packard Laboratory. Fully appreciating the facilities made possible by the gift of Mr. Packard, they are conscientiously striving to keep the laboratory in perfect condition.

Books of Late Prof. Thayer Received by Library

A large collection of valuable books from the library of the late Prof. William Thayer, of the English Department, have been received and catalogued by the University Library. These volumes add substantially to Lehigh's collection of languages and literature.

Doan, '19, Lectures on Welding Before Phila. Engineers

Dr. Gilbert E. Doan, '19, Associate Professor of Metallurgy, spoke on the "Metallurgy of Welding" at a large combined meeting of the Philadelphia Chapter of the American Welding Society and the American Society for Steel Treating on Feb. 17.

Dr. Gipson Received Large Grant for Historical Study

Among the grants to forty-three American scholars, totalling \$50,000, made during 1929 by the Social Science Research Council was one of \$1500 to Dr. Lawrence H. Gipson, head of Lehigh's Department of History and Government. His was one of the largest grants in the list and was for work in special phases of American History.



Hon. George W. Wickersham, '77, poses for a bust by the noted Italian sculptor, Edgardo Simone, at Washington.

AS Chairman of the National Commission on Law Observance and Enforcement, appointed by President Hoover, Mr. Wickersham undertook this herculean task at a distinct personal sacrifice. He gave up one of the largest law practices in New York to carry out this task for the nation without pay. Mr. Wickersham has figured prominently in many public movements, and his selection by the President was a popular choice.

The plan as conceived by the Commission was presented to Congress on the tenth birthday of prohibition. It evoked birthday cheers from drys and anniversary denunciation from wets all over the country. The complete report and important abstracts of it were published in the press from coast to coast. Just what results will finally evolve from the recommendations in the report remains to be seen.

In substance the enforcement pro-

gram outlined in this report may be summed up as follows:

1. Transfer of enforcement agencies, except those dealing with industrial alcohol, from the Treasury to the Department of Justice.
2. Codification of all Federal Prohibition statutes.
3. Strengthening of padlock processes.
4. Relief of congestion in Federal courts, preferably by Congressional definition of "casual or slight violation," with light penalties; prosecution by complaint or information, rather than indictment, and trial by U. S. Commissioners instead of judge and jury, with a judge to pass sentence and a provision for demanding jury trial in case of conviction.

The bust shown above, with those of a number of other noted figures in public and social life, was exhibited by the sculptor at the National Gallery of Art in Washington.

Frosh Donate Lab Fee Refunds for Chemical Research

For the fourth consecutive year, the Lehigh freshmen who are taking chemistry laboratory courses have relinquished the refunds from their laboratory fees in favor of the student chemistry foundation fellowships. At meetings of the class in February, more than seventy per cent of the frosh agreed to turn over their refunds for this purpose. These funds, which will probably exceed \$3000, are placed in the student chemistry foundation; \$1500 will be used next year as stipends for two members of this year's graduating class to carry on research work in chemistry and the balance remains in the permanent fund, which will ultimately reach \$50,000, it is hoped.

The plan was inaugurated four years ago by C. Austin Buck, '87, and Stanley Adams, '29. Adams demonstrated his continued interest in the plan by coming

up from Baltimore, where he is now located, to help explain the purpose and operation of the plan to the freshmen.

J. Z. Miller and C. T. Oswald, both of the Class of 1929, are the student chemistry foundation fellows this year.

Debating Re-Established on Active Scale at Lehigh

Debating at Lehigh, which has been dormant for many years, has been re-established on a very active scale, largely as the result of efforts of a group of students who formed a society known as Delta Omicron Theta and Prof. C. D. MacDougall, Assistant Professor of Journalism.

The team is scheduled to meet Lafayette, Rutgers, Temple, C. C. N. Y. and perhaps a few others. The Monarchs and other service clubs in the vicinity of Bethlehem are sponsoring debates between Lehigh and other colleges.



"SAUERKRAUT AND KINKS"

*"The time has come, the walrus said,
To talk of many things,
Of shoes—and ships—and sealing wax—
Of cabbages and kings."*

More About That Gass Story

Since the publication of the story recalling a touchdown made in '96 by Jack Gass, '98, in 7 seconds after the kick-off, the following accounts have been received from "eye-witnesses."

* * *

Regarding the paragraph in the last BULLETIN entitled "Jack Gass, '98, made football history," I was in that game but don't remember the incident. However, Jack was liable to do most anything and I have a vivid recollection of what he did AFTER the game in a Baltimore theatre.

Yours,
W. T. McCARTHY, '00.

Mr. Sauerkraut and Kids,
Dear Sir:

Please refer to page 18, Vol. 17, No. 4 S. W. corner and be advised that I did not miss that game as you did. This was a postponed game and played late in June, 1896, on South Mountain. Jack Petrikin and I sat on the 8yd. line in the old steel stand, 89th tier, if I remember correctly.

I saw the play perfectly and you are in error when you say 11 inaccuracies in 7 seconds. (This is not a crap game.)

Here are the facts. Helium Gas was subbing for Jack Gass, his older twin brother and the play was so hot that Helium burned up; but Jack being very fleet of foot rushed from the dug-out and sat on Helium's ball. Then the argument started. As usual, a few of the old guard rushed on the field. Okeson, Ordway, McClung, Balliet, Trafton, Thurston, and one or two thousand other interested persons. The decision was as per usual in "them" days, victory.

JACK JACKSON, '96.

P.S.—These facts were submitted to the two Jacks for confirmation. Petrikin wires collect. "Dirty pool. Stop. Why do you besmirch my all-time batting average of "595" by saying the right field is short?"

News of the Gas House Gang in Philly

Dear Buck:

Have been intending to write but never got to it. Then came the February BULLETIN. Art Cusick, I guess, must be a little wrong about Johnny Lees. James Knox Lees, '17 and '21 (I believe) is with the United Engineers in Phila. as a designer. It is rumored that he is going to move up to Bethlehem. John Lees, I think, is still in Chicago, with one wife and two kids, selling for Truscon.

The Lehigh People with me at the United Engineers are James Lees, Walter E. Brown, '04, who is Bridge Engineer and lives in Haddonfield, N. J., on Park Ave. Also owns a young dog that chews hats, and John Uriah Zimmerman, '19. Zimmerman got married about six months ago. His wife rolls on a bowling team as well as Zim, but Zim has made the United Engineers' Team in the Master Builders' League. He's the best man we've got. Rolls 260-273.

Robert Farnham is Chief Engineer of the Phila. Improvements. Where we are, we never see a chief engineer, so can't tell you about him. Got a baby girl myself, Alice Anna, born Aug. 7, 1929, in Cooper Hospital, Camden. It looks as if Lehigh will have to turn co-ed for I've only got one boy to the two girls. I've seen Robert Rodney Rhoad, '22, several times. He lives in Germantown, I believe, and is working for the Welsbach Co. on Refrigeration. Business located in Gloucester, N. J. That's all we know.

Yours truly,
T. B. RIGHTS, '21.

Lafayette, 12; Lehigh, 4— In Final Exams

Girard, in one of his recent daily columns in the *Philadelphia Inquirer*, cooked up a new form of Lehigh-Lafayette rivalry.

"Here is an instance to show where Lafayette put one over on its rival, Lehigh.

"Out of a few more than 1000 students at the former college twelve passed the mid-year exams with the highest mark possible.

"At Lehigh, which enrolls fully as many students, only four boys came through with a perfect record.

"What of it? inquires the cynic. Nothing, except the fact that both institu-

tions took the trouble to herald the names of those boys who excel in scholarship.

"It just goes to prove that valedictorians, as well as plunging fullbacks, may get a bit of free advertising.

"Even so, I don't recall the names of any one of those sixteen book stars, while I do remember quite a few of those twenty-two noble gladiators who lined up when their last gridiron battle started.

"Were it possible to get a crowd of 80,000 to see a fellow score 100 per cent. in Calculus, perhaps there would be keener effort to reach that prize.

"If you don't believe love of limelight inspires action, read the record of the United States Senate.

"What except craving for a headline could inspire any Senator to oppose Charles E. Hughes for Chief Justice?

"So you cannot blame college boys for showing more zeal in sports than in the classroom when so much more spotlight may be the reward."

'13 Miners at the Bar

Dear Buck:

You may be interested in reproducing the enclosed photo in the BULLETIN. It is a part of the E.M. bunch of 1913 on a trip we took to Franklin Furnace. Picture was taken as usual in front of bar.

From left to right, the men are: Bowman, Horcasitas, Evans, Lamb, Baldy Smith, Dynan, Philadelphia Smith, Bud Schmidt, Muthart, Levan, Petty, Fel-lancer, Doc. Wherry, Bryant, Davies, Lanker, O'Brien.

If you use this, you might make note that if any of the boys want enlargements, my photographer will furnish them at \$1.00 apiece.

W. K. SMITH, '13.



"Dear Dad"

Letters of a Lehigh Senior
and His Lehigh Father



Dear Dad:

I'm enclosing a letter I got from Uncle Jack. It was the first time I'd heard from him since I've been at Lehigh. He takes a couple of cracks at you, so I thought you'd like to answer it. The "invitation" he sent was the letter of instructions he got when he was being initiated into T. N. E. They are pretty good; all written in "blood" and signed K. K. K. and telling him to carry a supply of good cigars and chewing tobacco at all times and to hand them to anyone who said Hell and Brimstone to him. And it says, "Be sure the cigars are damn good ones." And "when you hear a whistle, it is the devil growling at you through his right hand men, the gods of Theta Nu Epsilon."

I suppose you saw in the paper what happened to me in the Cornell meet. After going good in the tryouts, all I did in the meet was to lie there with this bird hanging onto me so neither of us could wrestle. I was "regusted." But the thing that made me mad was the crowd booing. I don't think it was the students, but, of course, they get the blame anyway and it makes us look like rotten sports.

Austy asked me to come out to spring practice next week to help with the linemen. That's pretty nice of him, considering what a punk I was. He is only going to have three weeks of practice. Gee! I can hardly realize that I won't be around when the gang goes out next Fall. But maybe I will at that if I don't get caught up in Bridges pretty soon.

Say, Dad, do you think maybe I ought to work for somebody else when I get through? Of course, I know Uncle Jack is a great kiddier, but I've been thinking about it lately as there are a lot of companies sending men around to interview Seniors. The Telephone Company had a bunch here and they seemed mighty anxious to sign up as many as possible. The Standard Oil has been around, too. They start you off at \$150 and raise you in six months if you're any good. Chuck Hess was here a couple of weeks ago, looking for men for the Dravo Company. Boy! I'd sure like to work for Chuck—of course, I'd like to work for you, too, only you haven't said anything about salary or any of those details, so it seems kind of vague.

February 25, 1930.

Dear Nephew:

It's been some years since you have heard from your old uncle. However, I've been reading your letters to Dad and his letters to you. I'm all for you, Frank! Your old dad has developed into a regular Poor Richard.

If I were you, I'd look for a job outside of his plant for a few years, where they won't be expecting quite so much from the Old Man's boy. But, by the way, perhaps, knowing the Old Man, "they" are not expecting so much from the boy anyhow.

It's great to be a senior, isn't it? Sort of the head of things! Well, make the most of it, because after June next your stock will be deflated to the lowest ebb and you will be (let us hope) an alumnus. However, even this has its advantages! You can tell them how to run the University and after a while you will join in the battle of the waist band and write long letters to your class correspondent like Fat Jack does.

But coming back to Dad. You know when he was in college he wore a gold tooth-pick on his watch chain and his fraternity pin on his neck-tie.

I am enclosing an invitation he sent me once to join a Sophomore fraternity. This is the original document. If you don't believe it, show it to the Treasurer of the University and he will tell you it is pure gold.

Give my regards to Dad when you write.

Best of luck.

YOUR OLD UNCLE.

By the way, our house hill was higher than usual this month on account of the initiation and also the new radio, so I haven't got much left to go on the rest of the month. Of course, I can get along all right, but I really ought to buy a couple of second term books before it gets too close to the finals.

Love to all.

FRANK.

Dear Son:

Well! Well! So you've had a letter of advice from your fat uncle. I notice that he limited himself to advising you to forego work in my plant, but said nothing about giving you a job himself. That's him all over. He's the best little adviser I know. If the cops locked you up for some breach of the peace and you sent a hurry call to him for bail he would come right down to aid you. With bail? Oh, no! With advice as to the best way to make yourself comfortable in the town lock-up.

After all these years he still remembers (painfully) that T. N. E. initiation. We certainly took him over the jumps that night. Of course, being a close and dearly-beloved relative, I gave him a lot of personal attention. I'll bet the memory of it was so keen when he was writing that letter that he had to get up from his chair and finish his correspondence, using the mantel as a desk.

At that the old bird is right about the job. I've been trying for months past to indicate gently to you that a little experience elsewhere would be of real help to you when you finally come here with your eye on my office chair. Some day you will have to occupy that chair and the sooner I feel the pressure from below tending to ease me out of it the better I will like it. But the first thing is to see if you can stand on your own feet, and out among strangers is the place to make the experiment.

I'll be on hand at the Intercollegiates and hope to see you turn the tables on your Cornell opponent. Be sure if you get the scissors on him and "ride" there will be cheers not boos from the Lehigh rooters.

Be sure and answer your uncle's letter. He has a lot of other good stuff about the "rare old, fair old" college days which he can tell you. To say nothing of reams of advice which he will give you gladly. The old fat slob! How I'd like to see him.

Your mother sends her love. Write your uncle for a check.

Love, Dad.

P.S.—Here is the check, son. Don't pay any attention to either your Dad or your Uncle. They are too young for you to understand. Lovingly,

MOTHER.



OBITUARIES

J. T. Bourke, '81

John Thomas Bourke, veteran political writer for the "Cleveland News" died Feb. 4 at his home in Lakewood, Ohio, from a heart attack. Bourke was an active journalist for over 40 years, legislative correspondent for 23 years, president of the Ohio Legislative Correspondents' Association since 1914, and generally regarded as the "Grand Old Man" of Ohio journalists. Many glowing tributes to his life and career testified to the esteem in which he was held by city and state officials.

He was born at Susquehanna, Pa., Aug. 6, 1858. He studied Civil Engineering at Lehigh, but lack of interest in engineering led him to become a reporter. Political drama interested him considerably and in 1905 he became a political writer. He later became affiliated with the "Cleveland News." While at Lehigh, Bourke was a member of the Delta Beta Phi fraternity. He is survived by his wife and one sister.

Hanson E. Atkins, '91

Hanson Entriken Atkins, a prominent alumnus of the southern Pennsylvania anthracite region, died very suddenly at his home, 1312 Mahantongo St., Pottsville, on February 28. For many years he had been manager of the Pottsville Supply Company, Inc., dealers in building and mining hardware and equipment.

Mr. Atkins (or "Hank," as he was known to his host of friends) had long been active in alumni activities and was considered as the "daddy" of the Southern Anthracite Club. He had a record of not having missed a Lafayette game for some 37 or 38 years. He was a member of the Chi Phi Fraternity. Two sons are Lehigh men, Charles in the Class of '19, and David, an undergraduate in the present senior class. In addition he is survived by his wife and one daughter.

The Pottsville Journal of Feb. 28 published the following editorial tribute:

Hanson E. Atkins was a man of generous impulses. It was his nature to be at times brusque but beneath that exterior there was a strong surge of charity and brotherly love. He was a staunch churchman and his work in the Trinity Episcopal parish was of a faithful and determined character. In civic affairs he was always ready to do his part and more. Long associated with the Pottsville Hospital his interest in that institution was such that he will be sadly missed by both the board and the working staff.

As one by one the last of the Old Guard of Pottsvillians passes one is impressed with the fineness of their characters and the loftiness of their purposes.

E. M. Milheim, '02

Elmer McClellan Milheim, E.E. '02, a hardware merchant of Philadelphia, died Dec. 29, 1929, from asphyxiation. Milheim was a member of the Phi Sigma Kappa fraternity.

A. L. Altemus, '09

Archibald Levy Altemus, of Philadelphia, died Feb. 23, of pneumonia. He was active in Philadelphia-Lehigh Club affairs. Altemus was a prominent construction engineer, holding a responsible position in the Bureau of Transit.

C. S. Wagner, '15

Carleton Schwab Wagner, E.M. '15, died on Feb. 6. Wagner was president of the Danville Structural Steel Co. of Danville, Pa. While in college, Wagner was football manager and an Arcadia member. "Honns," as he was popularly known at Lehigh, was a nephew of Charles M. Schwab. He was a member of the Theta Delta Chi fraternity.

K. C. Wallace, '25

Kenneth Campbell Wallace died Feb. 14, in the Episcopal hospital, Philadelphia, from injuries sustained when the light coupe which he was driving crashed into a pole. Wallace was employed as a chemist in the Certain-teed Products Corp., Philadelphia. He was graduated from Lehigh as a chemical engineer. He was a member of the Chi Phi Fraternity.

MARRIAGES

Class of 1922

Leslie L. Drew to Alice C. Potts, of Asbury Park, N. J., on Dec. 21, 1930. Mr. and Mrs. Drew have just returned from a wedding trip along the French and Italian Riviera.

Arthnr L. Herman to Margaret B. Ellenberger in Monaca, Pa., on Feb. 8.

Class of 1925

Andrew H. Campbell to Mary H. Smith, of Albany, N. Y., on Feb. 27. Mrs. Campbell is a graduate of Cornell, '28.

Class of 1926

Donald A. Heath to Mary E. Drummond, daughter of Mr. and Mrs. Willis S. Drummond, on Feb. 22 in Boston, Mass. Mr. and Mrs. Heath will be at home after April 1 at 1850 Commonwealth Ave., Brighton, Mass.

John H. Schmidt to Olga Howlett, of Morristown, N. J., on Feb. 11. Mrs. Schmidt is a member of the 1925 class of the New Jersey College for Women.

Class of 1927

Norman Krey to Katherine Cissel, daughter of Mr. and Mrs. Thomas W. Cissel, of Bethlehem, on Feb. 15, in New York City.

Class of 1929

Arthur M. Rosenbush to Helen M. Pfeife, daughter of Mayor and Mrs. Robert Pfeife, of Bethlehem, in Brookline, Mass., on Feb. 7. Mr. and Mrs. Rosenbush will make their home in Brookline.

BIRTHS

Class of 1921

To Mr. and Mrs. J. R. Farrington, a daughter, Adelaide Ann, on Feb. 11.

To Mr. and Mrs. C. P. Maurer, a son, Thomas Pengelly, on Nov. 7.

To Mr. and Mrs. T. B. Rights, a girl, Alice Anna, on Aug. 7.

Class of 1924

To Mr. and Mrs. E. C. Scheetz, a boy, George B., on Sept. 19.

Class of 1926

To Mr. and Mrs. Paul K. Cressman, a daughter, Ruth Virginia, on Feb. 11.

PERSONALS

Class of 1877

H. S. Jacoby, Correspondent
109 First St., N. E., Washington, D. C.

A new edition of Timber Design and Construction was published in January. Professor Henry S. Jacoby has associated Professor R. P. Davis with himself in the revision and partial rewriting of this book which was formerly called Structural Details.

Class of 1883

E. F. Miller, Correspondent
32 Franklin Ave., Merchantville, N. J.

This item appeared in a Pittsburgh paper recently:

"A \$500,000 addition to the Taylor Allderdice High School is under way, to be completed in August, 1930. The present structure, shown from the air, was completed in 1926, at a cost of \$1,500,000."

A monument to Pittsburgh's most eminent citizen, erected while he is still going strong.

At the annual dinner of the Philadelphia Lehigh Club, Wilson, Leithead and this deponent occupied the last table, nearest to the door and to the music. Hood being away, this was only a 75% turnout of local talent. While no account of noses was made, it is doubtful whether any other class attained this percentage.

Class of 1890

H. A. Foering, Correspondent
828 W. Broad St., Bethlehem, Pa.

Your Class Secretary spent a day recently in Charleston, S. C., and had a very pleasant hour with C. G. Howe,

whom the writer has not seen since our graduation, nearly forty (40) years ago. He is the same old boy, excepting for the change that the few years have made in us all. We think we have persuaded him to come back to the Reunion.

A. H. VanCleve has also been heard from and we hope he will be here in June.

F. duP. Thomson has changed his address to 103 Delaware Rd., Elkton, Md.

S. D. Warriner is a member of a committee selected by the board of directors of the American Mining Congress to take up a study designed to check the present waste of mineral resources due to overproduction in the industry. The committee will also survey the situation in relation to the waste of capital and labor involved in overproduction. The difficulty of meeting the situation due to restrictions under the anti-trust laws will be studied and an attempt made to seek a solution of the problem in order that the natural resources shall be conserved and mining placed on a more sound and business-like basis. Warriner is a director of the Virginia Coal and Iron Co. also.

We have had word from Asa E. Phillips, 2400 Wyoming Avenue, Washington, D. C., that he is just back from China. Asa assures us that, nothing preventing, he will be with us in June and seems to be in fine health and enjoying life thoroughly.

Class of 1891

Walton Forstall, Correspondent
Broad and Arch Sts., Philadelphia, Pa.

Camp is reported now as Supervisor of Urban Education, Connecticut State Board of Education, and Rafferty as Associate Actuary, Missouri State Life Insurance Company. Both are still sticking to their respective fields of education and insurance. Curiously enough, only a few months ago I unearthed a photograph of these two men, lying very much at ease on a slope of the Lehigh Campus. They were certainly the days!

After reading the January BULLETIN, Fetters wrote me in part as follows:

"You can bet your life I still remember 'Pop' Chandler's Chemistry lectures, and that we were alphabetically arranged in the old chemistry lecture hall. Every time I come back East I promise myself a trip to Bethlehem to look over the old familiar scenes, but somehow or other time has never permitted. What I would like to do is to bring my wife and daughter back to Bethlehem in May to enjoy another of the Bach Concerts, and incidentally, possibly meet some of the old classmates.

'91, as shown in the January BULLETIN, has so far this year done far better than the average class in percentage of contributions to the Alumni Fund, but there is no excuse for '91 or any other class not being 100%, because what we want is every man a contributor, no matter how small the sum, and, therefore, lack of this world's goods is no alibi in this case. Toe the line, '91.

Class of 1895

C. F. Townsend, Correspondent
405 Temple St., New Haven, Conn.

While attending the Yale-Rutgers wrestling match at the Yale gym. on Feb. 8, I met Ed. Steinmetz and his two sons—the elder son was graduated from Lehigh in 1929 and is now studying at the Yale School of Dramatic Art; the other son is a student in the Architectural course at Penn.

William Spencer Murray lectured before the Yale branch of the A. I. E. E. at Mason Laboratory, Yale University, on Feb. 14, before a large and very interested audience, giving his description of the \$29,000,000 Saluda River hydro-electric project in South Carolina, a pet "diversion" of Slim's. Lantern slides and movies explained many phases of the construction and Slim has also presented this lecture at the engineering congress in Japan while on his recent trip around the world.

In a letter just received from John Whitmoyer, from his home in England, we learn the sad news that his wife died in October. Many of us had the pleasure of meeting this charming lady at our last Reunion and they were both looking forward to the possibility of attending this year's reunion. Mrs. Whitmoyer was an English girl, Ethel Mary Buckley, whom he married in 1910. Our sympathy goes out to you, John, but we hope that your desire to keep in touch with old Lehigh friends may yet induce you to be with us this coming June.

Whitmoyer has been in business in Europe since 1901, first going to Germany as representative of the Westinghouse Electric Co., then in 1903 going to England, where he joined up with the British Westinghouse Co., which name was changed to the Metropolitan Vickers Electric Co., Limited, and John is now Contract Manager, looking after all large negotiations after they have become orders.

John still retains his American citizenship and he is still 100% American and a loyal subject.

He writes some very pertinent remarks on the characteristics of England and America; the traits in each nation to be admired and the efforts which should be made by both nations to maintain the best of friendship and to cooperate most sincerely in international affairs for the benefit of the world in general.

John ends his letter by writing that he will not forget about the Reunion, and even should he finally decide not to be present, that we can rest assured that he will be thinking of us all and wishing that he was with us to join in our festivities.

Class of 1896

W. S. Ayars, Correspondent
410 Engineering Building
Broadway at 117th St., New York City

The only letters I have had since my last write-up were from Duff Dufour. The first was to urge me to attend the dinner of the Philadelphia Lehigh Club, January 31. He assured me that it would be *some* party, that he would be present, and would expect me to join in the festivities. Well, I couldn't make it, and a few days later I wrote Duff to convey my great regrets at not seeing him there. He replied to the effect that he had also been unable to attend—but I presume the party was thrown nevertheless, for Bernie is the perpetual secretary-treasurer of that noteworthy organization and he never misses a session—nor does he miss any member present, who may happen to be in arrears for his dues. Duff says, in his last letter, that he has not forgotten a promised account of a recent hunting trip he made to the far North, but that lack of time has delayed him in putting it on paper.

The batch of items I received today from Buck are just brief slips of paper with either changes of address or notices of lost addresses. The three who seem to have moved and left no forwarding address are Bob Cable, Tweedy Belden and George Dornin. If any of you who do me the honor to read this column happen to know the present address of any of these strayed lambs and will send it to Buck or to me, it will be greatly appreciated.

The fourth slip gives a new address for Cully Daboll: 4316 Spruce St., Philadelphia, Pa. Somehow, it never did seem right for Cully to be anywhere else but in Philadelphia, and now he is back there again, perhaps we'll both hear and see more of him.

Judging others by myself, it's a pretty sure bet that all of us have now passed the half-century mark; but from these change-of-address notices that keep coming in, three or four every month, it looks as though most of us were still rather restless. It reminds me of a conversation I overheard several years ago. A young woman had just announced her engagement to a new-fledged engineer, not long out of college. She was talking with the wife of an engineer who had graduated from Lehigh in the Class of '96. The latter's advice was, "Don't you do it! An engineer is only a high-class hobo!" But there is something fatally infectious about this engineer game. My only brother is an engineer; my three sisters married engineers; the two daughters of one of them, the one who married Eddie Slade, have both married engineers; the only child of my next sister, a son, is studying engineering in Boston; the eldest daughter of another sister has married an engineer; the only son of my brother is preparing to enter an engineering school! I might add that my wife's three sisters all married engineers, and that her only brother is an engineer. In spite of all this exposure, however, my own son is immune: he is taking "pre-medical" here at Columbia, though he wishes to specialize in surgery, and that's not very far removed from engineering. And the sort of Physics and Chemistry they are putting over on these hapless undergraduates today! Most of us got through just in time; our text books and lectures were supremely positive; they made definite statements. When we got down to the atom, we stopped; we were very sure that an atom of hydrogen and an atom of gold had nothing in common. Electrons and protons were unborn and even unsuspected; hydrogen-ion concentration had never been heard of. If a plane quadrilateral had four equal sides and four right angles we were perfectly sure it was a square, and that it would still be a square if it were turned through an angle of 90 degrees. If a stick was a yard long when it was held vertical, it was also a yard long when it was horizontal. Well, we were all wrong; all they're sure of now, is that they are not sure of anything, and most of the text is as cautiously worded as a legal document. This column is not press-agenting for any author or publisher; still I have no hesitancy in recommending to all of you who may feel that some of the latest "dope" in modern pure science may be intensely interesting, that you get a copy of "The Nature of the Physical World." It is by one Edington, whose initials I cannot recall, but he is an astro-physicist at, I

believe, Cambridge University. He comes the nearest to making one see something of what it is all about, of any of the modern scientific writers I have run across.

It has just struck me that this is not so skimpy as I thought it was going to be, and that it would be well to draw it to a close before I am smitten with another inspiration. Probably Buck will prune it down extensively as you do. *Auf wiedersehen*, then, and if you don't like the sort of news I have given you this time, you know very well how to provide me with something more exciting.

Class of 1897

*J. H. Pennington, Correspondent
McFarland Foundry & Machine Co.,
Trenton, N. J.*

Did you read Griswold's letter, last month? If we could only be favored with similar letters occasionally, from the rest of the gang, it would lighten your correspondent's labors considerably. We have noticed that W. S. Ayars fills a lot of his column with letters from the Class of '96. Being more conscientious than W. S., we have heretofore disdained stooping to this obvious means of sidestepping our duty, and have toiled laboriously and unflinchingly in trying to produce readable stuff for you fellows.

We are now in the throes of installing a device for burning buckwheat coal in our cellar furnace. This is our own concoction, and will cost about \$65.00 complete, against about \$300.00 for one of the commercial variety. We expect to cut our coal bill in half, as a result.

There will be two positive and quick reactions when this news gets out. One is that Sam Warriner will see that the price of buckwheat coal is immediately doubled, and the other is that John Sheppard will write in, enclosing photographs, describing one of his most enjoyable vacations at Miami, Palm Beach, or some other Winter resort.

Speaking of John, we have a copy of the Lakeland, Florida, *Evening Ledger* of January 22, in which appears a letter from John to the Editor, exposing the false claims of the city politicians, who are trying to fool the people of the good city of Lakeland into believing that said city operates its electric power plant at a profit. When John bucks a political ring, he has his work cut out for him, and plenty of it. We admire his courage and wish him success. If he does no more than divert, for a time, the Floridian sandbagging of the Northern tourist pocketbook, he will be doing a good job.

Did you see the good news in the January BULLETIN? Of the fifty-nine classes having living members, forty-three of them stand below '97 in percentage of members having paid dues, subscription to BULLETIN, contributions, etc., up to January 1. Only thirteen classes stand above us, and two tie us. Our average is 43%. The average of all is 28%, so that we rank 15% above the average for the whole Alumni body. However, 43% is a long way from 75%. Less than three months to go to Alumni Day. It is interesting to note that no class graduating later than '97 stands higher in the list than we, although '03 ties us. Let's dig up that other 32%.

Just as we had used all the above words, and were trying to find a graceful ending, along came a letter

from "Kid" Brady. It seems that the "Power of the Press," as exemplified by the ALUMNI BULLETIN, had conveyed to him the news of the advent of our granddaughter, and he enclosed his congratulations. "Kid" is always interested in news of the class and would like to read more of it if you fellows will send it in.

I quote part of his good letter: "My work is mainly confined to supervising a few traction properties that are in the Central Pacific Service system. One is located at Wildwood, N. J., and others at Lynchburg, Va., Roanoke, Va., Huntington, W. Va., Portsmouth, Ohio, Brenton Harbor, Mich., Rockford, Ill., and Portland, Oregon. You see I have some territory to cover.

"However, as a diversion I am starting off tomorrow for a trip to Mexico City, as I have never been in Mexico.

"I see Arthur Jenks every once in a while, as he is in an allied industry—The Cummings Car & Coach Co. We often talk about the old times."

If the "Kid" will curb his ambition and not try to run for the Presidency of Mexico, we'll probably see him again, but if he aspires too strongly to that office, we'll say "Good Bye" right now.

The loving esteem in which "Jim" Serrell is held is manifested by the few stanzas below. The composer has requested that it be presented anonymously as a contribution by the class, and we are sure that each member will be glad to subscribe to the sentiment expressed.

TO JIM

The West has beckoned another soul,
There's an added name to the Honor Roll;

We classmates, each a Lehigh son,
Bow low, and whisper "Thy will be done."

There's no retreat for the old class crew
In life's long march, yet there are a few
Who have left the ranks, gone on ahead,
And lie midst Alma Mater's dead.

We'll miss you, Jim, in the years to be,
When we gather 'round and fail to see
Your cheery face. God grant your rest
May be with those He loves the best.

Class of 1898

*H. C. Paddock, Correspondent
Turner Construction Co., 420 Lexington
Ave., New York City*

Scarcely a peep has come from a '98 man since the stock market crash last October. We are wondering if there is any significance in this fact. Your correspondent saw Wooden at the Lafayette game, so it is assumed that he at least had sufficient equity to pass the gates. Now that we are on a rising market we hope to hear from some one within the next month.

The value of a college education is shown in the following sketch of Vic Records:

Victor C. Records, well known resident of Laurel, is being prominently mentioned in political circles as the probable selection of Sussex County Democrats as their candidate for the Democratic nomination for Congress. Considerable interest is being manifested in the Congressional nomination, with Mr. Records' name as the most recent brought to the forefront as the probable choice of the party. In August of 1902 Mr. Records' father and he formed the firm of W. T. Records and Son, merchant flour and feed millers, of Laurel. Fifteen years later his father retired, but Mr. Records still continues it under the same trade mark.

He is president of the Church Club of Delaware, and a director of the Delaware Railroad,

Kent County Mutual Insurance Co., of Dover, and the Laurel Chamber of Commerce.

He is a past master of Hope Lodge, No. 4, F. and A. M., of Laurel; a member of St. John's Chapter and St. John's Commandery, of Wilmington; Lu Lu Temple, of Philadelphia, and the Rehoboth Beach Country Club.

Mr. Records has served as president of the Laurel Town Council and was a delegate to several Democratic conventions.

Friends of Mr. Records believe that his nomination would add considerable strength to the Democratic ticket.

Class of 1899

*Arthur W. Klein, Correspondent
43 Wall Street, Bethlehem, Pa.*

Your correspondent hopefully awaited the winter gathering of the alumni scheduled for Feb. 22, expecting to see some of the '99 men and gather news concerning them. His expectations were doomed to disappointment. Doubtless due to the date following on a Saturday and the Spring-like weather, the alumni in general and including '99 were conspicuous by their absence.

A few were present and showed the keenest interest in Lehigh's scholastic and other activities. They also had the pleasure of witnessing a well-played basketball game in which Lehigh outclassed her ancient rival, Lafayette, to the tune of 37-26.

In desperation over the lack of news from '99, "Pop" Klein has arranged to send out periodical post cards asking for some item of interest concerning each recipient. Several class correspondents have adopted this plan and are getting satisfactory results. It is up to '99 to back him up and make the class personal column a success.

Class of 1900

*E. A. Yellis, Correspondent
405 W. Broad St., Bethlehem, Pa.*

W. T. McCarthy comes to the rescue this month with a clipping from the *Brooklyn Times*, and the following pertinent comment:

Dear "Shorty":

Fame at last!

People have knocked Jimmy Walker, so have I. But we must now admit that his is a high order of intelligence.

MAC.

The attached clipping shows Mac's phiz, with the following news:

William T. McCarthy, treasurer of the Architects' Club of Brooklyn during its first year, was installed as secretary at the dinner on Monday. He was a member of the Dwellings Law Committee of the Brooklyn Real Estate Board and the New York Society of Architects, which brought about the adoption of the Multiple Dwellings Law, and was recently appointed on the Mayor's Committee of 27 to revise the law. He is widely known as the author of the plan to doubledeck the sidewalks of Fulton Street.

Class of 1904

*F. P. Sinn, Correspondent
160 Front St., New York, N. Y.*

Frank Sholly is now living at 7213 Briar Road, Philadelphia, Pa. This is in West Oak Lane.

Walter H. Cunningham, President of the Truax-Fraer Coal Co., is now located in the McCormick Building, Chicago. He is maintaining his residence, for the time being at least, at Huntington, West Virginia, 2970 Staunton Road.

The following letter was recently received from Walter, and I know the Class will be interested:

Dear Frank,

Just to advise you that I called you the last

time I was in New York and regretted to find you were out that day. I am there from time to time and hope to have a little better luck in the future.

The last time I was in Minneapolis had a nice visit with Warren MacFarlane, who neither "sows nor reaps" but who, as President of the Minneapolis-Moline Power Improvement Company, has turned out to be God's gift to the farmers.

Also have the pleasure from time to time of seeing Johnny Miller who, with W. W. Coleman, '95, is running the Bucyrus business in Milwaukee. Mac's and Johnny's concerns back some of our coal and we purchased a number of Bucyrus electric shovels, hence we have the combination of a very pleasant business and personal tie. These Lehigh fellows are fourteen-minute eggs, however, when it comes to trading.

If you or any of the other boys happen to get out this way would be mighty glad to hear from you.

Sincerely yours,

W. H. CUNNINGHAM.

Class of 1905

W. H. Lesser, Correspondent
Third and Frack Sts., Frackville, Pa.

P. G. Spillsbury is a member of the Immigration Committee of the U. S. Chamber of Commerce and he recently attended a meeting of this committee, held in Washington, D. C. He tells me that the President of the above organization is a Lehigh man (W. Butterworth, '89). While in New York, Spilly experienced some cold, snow and slush, and he was indeed glad to get back to Arizona, "where the sun shines every day and the flowers bloom continuously." As a closure to his very interesting letter, all 1905 boys are invited to stop off in Arizona to see him on their way to the coast.

I received a letter from Oliver Serfass and I want to say at the start, that he has my best wishes for a complete and speedy recovery. He lives in Falls, Pa., and was seriously injured during July, 1928. At the present time he is just getting around, and may never be able to work. The accident happened while he was adjusting some electrical apparatus on a moving locomotive.

Teddy Angle has a son at the University, and this boy, Theodore R. Angle, Jr., is the third generation at Lehigh. Our Teddy's father also was a Lehigh man, graduating in the Class of 1876.

According to Edwin L. Rich, Patent Attorney for the General Electric, he and the other G. E. 1905 men will attend the reunion.

As you know, Paul Cloke is a Professor in the University of Maine. He tells me that he has two boys in the Freshman Class, starting to study Calculus.

Clarence White writes that it is difficult to send news when a fellow has none to send. That is perfectly O. K., Clarence. I certainly appreciate your thinking of us.

From Atlanta, Georgia, Bob Hodgkin writes, as Chairman of the Fourth Section Committee of Southern Carriers. He tells me that he just returned from a trip to Mexico, where the saloons, painted ladies, and dancing girls are doing business in the same old way. Bob and his son, Robert, will visit Lehigh in June.

G. A. Sisson will be one of the big party. He has not attended any reunion since he was graduated. Since 1905, G. A. has been in the Philippines, on the Pacific Coast, and running a ranch in Alberta, Canada. While in

the Northwest he saw Ray Kautz, who certainly must be lost. I have never heard from Ray, notwithstanding my many entreating letters.

Bill Estes has the following to say about the reunion, and judging from the plans he is making, I want to guarantee all the boys who return a grand and glorious time.

Dear Bill:

We are making very definite plans for the largest reunion of all time of the class of 1905. Our 25th year reunion deserves special recognition. We expect to have 100% attendance which includes Shine, Hosty, Nellie and Clot Brown. We are counting on having an unusually large audience for these, our well-known orators. The official reunion day is June 7, but it is safer to plan on having a few extra days this year to inspect the campus and all the new recent changes as well as to get in training for a real old-time reunion. The banquet will be in the main dining room of the Bethlehem Club on Saturday night. We will all be decorated not only with the usual hats and buttons, but also with beautiful sunshades and probably marvelous cool summer coats. The rest I will leave to your imagination. Warm up now for the grand soiree so that you can cool off properly in June.

BILL ESTES.

And finally, after this nice letter for the March issue, don't forget those Alumni dues.

Class of 1907

J. B. Carlock, Correspondent
Jones and Laughlin Steel Corp.
Pittsburgh, Pa.

Paul Macka's new residence is at Friedensville, Pa. His mailing address is care of Bethlehem Steel Co., Bethlehem, Pa.

A. B. Grubmeyer's new address is: Pennsylvania Power & Light Co., 802 Hamilton St., Allentown, Pa.

Class of 1908

W. D. Sanderson, Correspondent
706 Liberty Bank Building,
Buffalo, N. Y.

J. L. Gressitt is Division Engineer of the Pennsylvania R. R., Clinton and Holman Streets, Fort Wayne, Ind.

Frank Perley has left the Connecticut Light and Power Company, Norwalk, Conn., and his present address is 145 Henry St., Brooklyn, N. Y.

Charles P. Eyריך is now at 124 W. 4th St., Bethlehem, Pa.

John H. Hills is Head of the Industrial Arts Department, Wilmington High School, Wilmington, Del. His new book, "Pictorial Drafting," is now on the press and will be released shortly by McGraw-Hill Book Co., Inc. This is a text book for high schools, vocational and trade schools. It is a very complete text, divided into three parts to cover the three types of drawing courses and contains 153 illustrations. This will add another to the many authoritative books on various subjects which the Class of 1908 has contributed to the advancement of education.

R. C. Hatter's address is P. O. Box 64, Louisville, Ky.

P. B. Storey is now at 340 Orchard St., Southmont, Johnstown, Pa.

The new address of A. J. Lowengrund is Plaza Hotel, N. 16th St., Philadelphia, Pa.

George Brothers has returned from a prolonged stay in the wilds of West Virginia and is now back on the job with F. H. Clement & Co., Wilbur Trust Bldg., Bethlehem, Pa.

Announcements regarding the twenty-fifth reunion in June, 1933, will be contained in each subsequent issue of the BULLETIN. Be sure to read your class notes each month. Mark your calendar now to reserve at least a week for the big event.

Class of 1910

M. L. Jacobs, Correspondent
837 Tioga Ave., Bethlehem, Pa.

Did you fellows think the Class of 1910 is dead? If you did, I can assure you that you are very much mistaken. We may have been dormant for a few months, but like the proverbial Woodchuck, we are coming to life with a Bang.

A couple of weeks ago Charley Gosztanyi, who has assumed the position and duties of Secretary and Treasurer for our Class Reunion, called several of us to a meeting at his home. The following were present: Caleb Kennedy, Bill Nieson, Chip Solt, Baldy Smith, Carl Schultz, Dave Williams, Ed. Shiner, Charley Gosztanyi and myself. Several matters were discussed concerning the Reunion and the arrangements have been made for the Banquet Room for our Reunion Dinner. At the next meeting we will discuss costumes, stunts, etc. Everyone present was satisfied that there is every reason to expect that our 20th Reunion this June will far outshine any previous efforts. Those of you who were on hand for the 15th Reunion know what that means. We are expecting all of you back and will welcome any suggestions you have to offer.

During the same week Hysler Zane called a Dinner Meeting in the Yacht Room of the Hotel Astor in New York. The following members of the Class were present: Kenney, Nieson, Reilly, Kemmerer, Hysler Zane, Shafer, A. Matthews, Stritzinger, Bretland, Heard, Tressler, Pierce, Woerwag, Goedecke and Jacobs. We also had as our guests Saxman, '18; Messrs. Laird, McNaughton and Parker. These gentlemen all expressed their desire to become members of the Class, which, of course, you can well understand.

This Dinner in New York was full of enthusiasm and pep. The arrangements were perfect, starting with the greeting before the dinner, in which there was a flow of wit and other liquids. The dinner proceeded apace. After desert had been served and cigars lighted, Hysler Zane announced that the best was yet to come. I feel quite confident in saying that he did not overstate the fact. Three very charming young ladies appeared to entertain the crowd and, judging from the expressions of approval on the faces and in the actions of the various members present, I feel quite sure that the entertainment was satisfactory to everyone.

Jim Pierce has decided that he is not going back to London until after the Reunion in June.

Abbe Matthews recommends a certain brand of Jersey Lightning which apparently is obtainable in the vicinity of Flemington, New Jersey.

Frank Heard is as debonaire as always.

In all the years that I have listened to Pat Reilly on subjects mundane and spiritual, I have never heard him approach the heights he reached in the Yacht Room of the Hotel Astor. You know Pat, so you know what I mean.

Caleb Kenney made sure that I got to the train coming home. In fact he accompanied me all the way to Bethlehem. By the time we reached Bethlehem we had recovered enough so that he was able to borrow a dollar from me to get home. I am happy to say I have since received this dollar. This is your receipt, Caleb.

Do not forget to send in your \$10.00 immediately to Charley Gosztonyi. This cover charge will take care of practically everything and we hope to see you all in June.

Watch for our ad. in the next BULLETIN.

Class of 1911

A. P. Spooner, Correspondent
1811 Sycamore St., Bethlehem, Pa.

E. L. (Earle) Morgan was appointed Superintendent of Machine Shops Nos. 2, 3 and 5, Bethlehem Plant, Bethlehem Steel Company. Congratulations, Earle.

R. F. (Ray) Crump is now located at Kaighn and Delaware River, Camden, N. J., with the Camden Rail and Harbor Terminal Corporation.

Phil Guider is Chief of the Slab Zinc Department, New Jersey Zinc Co., Palmyerton, Pa.

C. C. Messenger was back with us on Washington's Birthday. In addition to being Chief of the Chemical Laboratory, he is holding down the job of Secretary-Treasurer of the Lehigh Valley Section of the American Chemical Society.

Had a letter from Don Gibson in which he admits he's a "family" man. I'm glad for that news, because, as I remember—etc. Anyhow Don is in charge of the St. Louis territory, covering nine states, for the soft tile flooring division of the U. S. Rubber Co., with headquarters at 1601-1607 Washington Ave., St. Louis, Mo.

W. H. Corddry is Vice-President of Gannett, Leelye and Fleming, Engineers, 600 N. 2nd St., Harrisburg, Pa. Bill resides at 1915 N. Front St.

C. L. Cespedes is located at Parraga 23, Vibora, Havana, Cuba.

Klopp and Kalback, Robesonia, Pa., is where "J. M." can be reached.

R. F. Kratz has moved to 530 W. Arch St., Allentown, Pa.

Sam (S. C.) Wagner is District Manager for Master Electric Co., in their Rochester, N. Y., branch. Location business: 512 Case Bldg., 82 St. Paul St. Pleasure: 793 Harvard St.

Class of 1912

Morton Sultz, Correspondent
A. T. & T. Co.
195 Broadway, New York City

R. M. Bryce is lost. Last known in Tulsa, Okla. Can anyone supply us with present whereabouts?

C. Lopez Cespedes is now Second Engineer for the Lighthouse Department of Cuba, with headquarters at Havana. His home address is Parraga 23, Vibora, Havana.

Burton Hartley is at San Antonio, Tex. His address is 1618 Smith-Young Tower (see reference in Andy Schultz's letter).

Lyman F. Hill has a position as Engineer in the Supervising Architect's office of the Treasury Department in Washington.

Chester Gauss moved from Fullerton, Pa., to Washington, D. C., in December,

but is now back as Advertising Manager of the Sarco Company, at 138 Madison Ave., New York City.

Don Wood landed at Fort Elizabeth, South Africa, just before New Year's, to take up his new duties as transportation engineer with the General Motors South African Company.

Henry Otto brought his two boys to the Midwinter Reunion and H. H., Jr., was wearing one of the prettiest shiners we have seen for a long while. We will bet daddy never had one like that in his life.

The following from Andy Schultz:

Just a little 1912 news. I spent two hours last night in San Antonio with Tex Martin and String Hartley. Didn't find much change in either of them and we enjoyed chewing the fat about the old gang. I also gave them the dope on the L-L game, as neither of them knew anything about it but the score.

I believe that Hartley was listed as dead by Lehigh and I know Tex was listed as dead by the fraternity. Hartley now is getting the ALUMNI BULLETIN but Martin hasn't had a word from Lehigh in years.

String is in the oil game and Tex is in the real estate investment business. I assume the Alumni Association has Hartley's address and Martin's in the Smith-Young Tower. I told them both about our 1912 luncheon while I was East and gave them all the dope I had on the members of the class.

I am getting away on the new job and finding plenty to do. My home address is 1312 Clover Lane, Fort Worth, so don't leave me off list for BULLETINS. I might even pay some more on my alumni pledge a little later.

Class of 1914

J. O. Liebigh, Correspondent
324 N. 15th St., Allentown, Pa.

We are grateful to "Bru" Leonard for his letter, which follows:

I am looking forward each month with a great deal of pleasure to reading the ALUMNI BULLETIN, containing the various wise-cracks as well as notations of a more serious nature. In the December issue I noted with a great deal of pleasure that Adolph Sanchez is a proud father, which prompted me immediately to take my pen in hand. In the comment regarding Sellers, I note that he has been circulating around the country so I thought that this would be a very appropriate time to issue a standing invitation to the land of sunshine, prunes, and native sons, to any of you poor mortals who are required to live in the East. Usually the subject of Southern California is only discussed when the conversation begins to lag, but to those of us who live here it is seldom that an Easterner is ever permitted to get into a lagging condition.

Speaking of football, we of the West Coast were certainly happy to see Lehigh get into the win column, and we all have hopes that some day Lehigh will be able to put a team on the field at the Pasadena Tournament of Roses. When they do we sincerely hope that they will be able to have one a whole lot better than the much-heralded Pittsburgh team because they certainly did look like a lot of school boys trying to play against a real team. By "real team" I again refer to a product of the Southwest, namely, the University of Southern California.

From time to time I see Babe Twomley, '17, Whitey Lewis and Bill Tizard, '18. Babe and Whitey are in the steel business and from all reports both are doing very well. Bill Tizard is at the head of the State Oil Company of Long Beach and we will, no doubt, hear many wonderful things about him the longer he stays in the "black gold" business.

I presume that Nul Cavanaugh is still teaching at the Naval Academy, and I surely would like to hear from him or, in fact, any of the boys who happen to have a few spare moments on their hands.

Sincerely,

A. B. LEONARD.

R. D. Jordan is now Metallurgist, Shops and Foundries (South Side Plant), Jones & Laughlin Steel Co., 27th and Corson Sts., Pittsburgh, Pa. His residence is now 1692 Hillsdale Ave., South Hills, Pittsburgh, Pa.

C. B. Backes is residing at 421 N. Main St., Wallingford, Conn.

Along about the middle of January, several 1914 men that we know about

thought Atlantic City a good place to spend a few days. Old times were "re-cust" in quite the old style with all the trimmings. The gathering occurred during the American Road Builders' Convention. Among those present were "Bick" Bickley, Ned Howard and Bert Blank, who is really 1914 but isn't, and "Bart" Gemmel. By the way, "Bart" is Sales Engineer with National Carbon Co., Inc., and resides in "Pretzel Town," that is Allentown, at 528 N. 11th St. "Bart" might be found in any section of the country, so please keep your eyes open. Anybody with news, shoot in, please, before it gets too old.

Class of 1915

Carl E. Siebecker, Correspondent
Bethlehem Trust Building
Bethlehem, Pa.

J. F. Harder is with the Westinghouse Electric and Manufacturing Co., in New York City. Home address, 80 Kenwood Place, East Orange, N. J.

E. S. Kutz is living in Allentown, at Chew and Sixth Streets.

E. R. Frey notes a change of address to 904 Turner Ave., Drexel Hill, Pa.

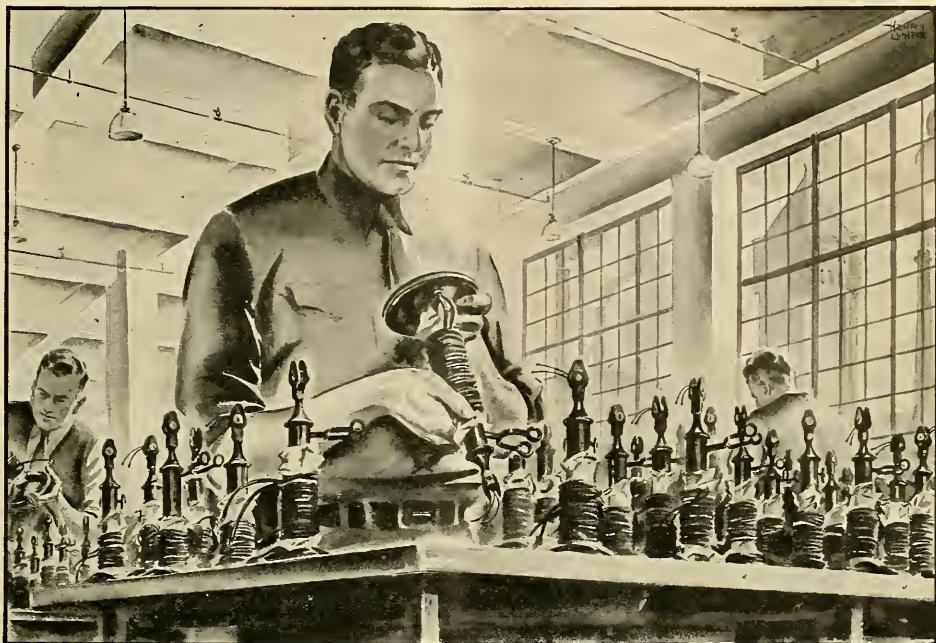
Uncle Sam locates S. A. Wuchter at 131 W. 44th St., Bayonne, N. J.

The other evening Pat Pazzetti and I were shaking our dogs at one of those Dinner Dances (Saturday night and celebrating the birthday of George the First of the U. S. A.). Why we have to celebrate his birthday in that manner is beyond my comprehension, because I know many better reasons for a party. At any rate I suggested to Pat that inasmuch as there were seemingly only a few of us left, our 15th Reunion should be celebrated in a fitting and proper manner. Recalling that the Class of 1915 met in solemn convocation at our 10th Reunion elected me a sort of permanent fixer, I immediately took advantage of Pat's extreme youth and signed him up for the committee on arrangements.

We didn't go into detail, but the old pep and enthusiasm was there and you now have the makings of a mighty fine reunion. If you have managed to live for fifteen years after leaving here, you deserve a reunion. Well, we have tentatively fixed a date, that is, if the Alumni Association and University will go along with us and have their Alumni Day on the same date, and everything is arranged except Where and How. It being a rainy night, Pat suggested the Sunshine Club, and I, of course, thoroughly agreed with him. Don't blame me if you get hombed, robbed or raided. If that one is padlocked, I know another.

We feel sure that many of the members of our class have suggestions to make. All of you want to come back if you can, and inasmuch as we are making the effort to put this across, we would appreciate a line from each one of you as to your possible attendance. During my residence in Bethlehem over the past ten years, I have seen many reunions, many classes returning for their tenth, twentieth and even thirtieth, and I believe I know a good reunion when I see it. We will have to rate an attendance of at least fifty to make a showing.

You will receive a personal monthly letter until June concerning our plans. On our part this will require time and work. We hope it will stimulate your interest in your class and, above all, Lehigh.



THE WESTERN ELECTRIC COMPANY SEARCHES THE WORLD FOR MATERIALS AND FASHIONS THEM INTO THE EQUIPMENT OF A NATION-WIDE TELEPHONE SYSTEM

That time and distance may be subject to your voice

An Advertisement of the American Telephone and Telegraph Company

THE Bell Telephone System shapes the stuff of the earth to your communication needs. It delves into the forces and methods that enable you to project your voice where you wish. It searches the world for the materials needed to put its discoveries at your command, and fashions them into the connected parts of a nation-wide system. It has dotted the nation with exchanges, and joined them and the connecting companies with the wires and cables which enable you to talk with anyone, anywhere.

Each of the 24 operating companies of the Bell System is attuned to the needs of its area. Each is local to the people it serves and backed by national resources in research,

methods and manufacture. Each has the services of the staff of the American Telephone and Telegraph Company, which is continually developing improvements in telephone operation. Each has the advantage of the specialized production of the Western Electric Company. This production embodies the results achieved by the scientific staff of the Bell Telephone Laboratories, one of the great industrial research institutions of the world.

Your telephone company is in a position to offer you the service which you have today because the Bell System is organized to meet your growing communication needs with increasing satisfaction and economy.



Class of 1916

E. J. Clement, Correspondent
162 Belmont St., Floral Park, N. Y.

Don Sexton is with the Trust Co. of North America at 93 Liberty St., New York City. Prior to this change he was connected with Halsey, Stuart & Co.

Chief Levin, of Easton, Pa., now resides at 715 Cattell St.

Harry Carlson, who is a General Building Contractor in Montclair, N. J., lives at 6 Belvidere Place.

Harold Bergstresser is Assistant Treasurer of Louis DeGeorge & Co., of 69 Duane St., New York City, and lives in East Orange, N. J., 120 N. Oraton Parkway.

Billy Cahall's new address is 6345 Magnolia St., Philadelphia, Pa.

Frank Spooner can be reached at 263 N. 24th St., Camp Hill, Pa.

Jerry Thorp is now living at 130 Wall St., Bethlehem, Pa.

Cliff Shaw is with the Patent Department of Westinghouse E. & M. Co., at East Pittsburgh, Pa.

Don Hoopes believes that the South American system solves the high cost of living problem: "In a recent copy of the BULLETIN my curiosity was attracted by a marriage announcement, the principal participants in question being said to live at Casilla 2222, Santiago, Chile. Having only a half a year ago exchanged the freedom of bachelorhood for the delights and debts of matrimony, such a statement got my attention at once. Naturally, I join in wishing all good luck and happiness, but at the same time I'm a bit jealous of the novel solution of the high cost of living. I rather congratulate myself on the fact that a small though comfortable apartment in the suburbs was a fair and modest start. Just the same, I'd be interested in sketches and blue prints of a home such as Casilla 2222. In Chile, Casilla stands for Post Office Box."

Class of 1917

Kyle Crichton, reported in the February issue as touring the country with his Mexican Orchestra, has settled down to a job as Assistant Editor of *Scribner's Magazine*. He is living at 3330 90th St., Jackson Heights, L. I., N. Y. Meantime the booking for the famous Orquesta Charro Mexicano is in the hands of Arthur Judson Concert Management and will start touring next October. Don't miss an opportunity to hear them.

Class of 1919

J. W. Gardiner, Jr., Correspondent
%John T. Lewis & Bros. Co.,
910 Widener Bldg., Philadelphia, Pa.

The news concerning most of the 1919 members seems to be good news—at least we hope so. It certainly is good news to hear that our enthusiastic reunioner, Fred Hazeltine, was discharged from the hospital two days before Christmas, so that he could properly enjoy the festivities.

R. F. Johnson is another one of the class who believes that the East presents the greatest opportunity. His address is 305 Pleasant Ave., Hamburg, New York. We would like to know a little something about his present activities.

Jimmy Lees is reported as being engaged to Miss Dorothy Swope. We are sure that the young lady must be very charming, as Jimmie was quite a while picking her out.

House de Welt Smith ("H. D. W.") has returned to the United States after his study abroad and is now located at 75 W. 33rd St., Bayonne, N. J. We have not as yet heard who has the privilege of employing this American and foreign super-chemist.

Has anybody seen W. R. Schultz? Apparently he no longer receives mail at 52 Elm St., Morristown, N. J.

Class of 1920

10-Year Reunion, June 6-7, 1930

Mercer B. Tate, Correspondent
1510 Morris Bldg., Philadelphia, Pa.

On Feb. 1 your President sent his opening letter to the 192 members carried on the class roll, whose addresses are known, and enclosed a questionnaire to ascertain the desires of the class at large with respect to certain details of the Ten-Year Reunion to be held in June. Up to and including Feb. 15, replies have been received from twenty-six men, which is a good start, but not nearly enough. We should try to have one hundred men at the Reunion this year, as the Ten-Year party is probably one of the outstanding parties which we will ever have.

Another letter will be written to every member of the Class on March 1, giving a report up to that time. Your President, however, feels that the BULLETIN will reach everyone, and therefore offers this information now through the BULLETIN.

A great majority of those who have replied to the questionnaire seem to desire that we agree on uniform dress, such as dark coats and white flannel trousers. If it is finally decided to have this, after all questionnaires have been returned, we shall, of course, have some distinctive markings, such as a colored parasol or farmers' hats, or something of that kind, which will be inexpensive and yet at the same time give some individuality.

The reply to the question of what the maximum assessment should be ranges from nothing to Polly Pare's answer that it should be \$1000. Polly, by the way, is located in Ventura, California, says that he is sorry he cannot be on hand, and that he wants me to try and get a thousand dollars from him. Seriously speaking, your President will try to keep the expenses down to a minimum, in order that everyone can be back, and will not be deterred by the thought of expense, but it is obvious that it will cost something. A number of men have referred to the fact that they have paid class dues and dues to the Alumni Association for the past few years, and inquire whether that entitles them to any credit. The arrangement with the Alumni Association is that we guarantee the BULLETIN subscription for the Class, and if there is any deficit the Class dues are used to meet the guarantee. If there is any surplus, we are entitled to it. Buchanan advises your President that there is a deficit owing by the Class to the Alumni Association in the amount of \$42.00 on this account, so it seems that we will have to finance our Reunion ourselves.

The bulk of the Class so far favors

the Saucon Valley Country Club or the Hotel Bethlehem for the Class dinner on June 7th, with a slight preference for the Hotel Bethlehem. It has been suggested that if we have any entertainment, it be decent and worthwhile. Your President is heartily in accord with this, for it is quite clear that we want nothing such as we had at the Reunion of 1925. After all of the other festivities, what we want is to have a good dinner where the Class can have a real Reunion, where we can have some music and singing, perhaps a few rattling good speeches from our old favorites like Boney Reiter (if he will come) and an opportunity to hobnob with each other in old-time good fellowship.

Russell Bellman writes that he is going to try to come all the way from Atlanta, Georgia. The other men who have replied that they plan to be on hand are as follows: W. R. Allgaier, Howard S. Bunn, Russell S. Buss, P. C. Cameron, E. W. Estes, B. R. Ewing, Jr., C. R. Flory, Edward L. Forstall, A. W. Glaser, Philip D. Greene, William H. Hinton, E. B. Ilyus, A. M. Kuhlmann, F. G. Macarow, J. N. Marshall, Norman A. Newell, R. J. Ott, Harry C. Rice, S. B. Richards, A. D. Spillman, E. Stotz, Jr., James M. Straub, A. J. Sugar.

Your President wants you to keep one thing emphatically and particularly in mind. This is not the party of the President or of the officers of the Class. *It is your party.* Therefore, please send any suggestions which you have to your President, so that he may have the benefit of your thoughts, and we will try to meet the suggestions of as many of you as can possibly be done.

1920 was a great Class in College; its activities were thorough and widespread, and this despite the fact that we were a war class. For the last five years we have been quiescent. Let us now show the Alumni and the University that we have just as much force and are just as active as we ever were.

J. J. Miedzisz and wife have been sent to India for three years, with the International Health Board.

The engagement of Henry Mersfelder to Miss Esther Legge, of Red Bank, N. J., will be announced shortly. A June wedding is contemplated.

Class of 1921

A. T. Wilson, Correspondent
1118 W. Market St., Bethlehem, Pa.

I picked up a program from a Reading theatre some time ago, and among the advertising was this—imagine! John L. Bertolet, Coal, Anthracite and Bituminous, Quality and Service. Another good chemical engineer with a dirty face.

A very nice announcement comes from the Aircraft Instrument Division of the Elgin National Watch Company that Mr. Henry G. Boynton (Hank himself) is their Eastern Representative, at 20 W. 47th St., New York City. Hank wrote to me under date of Oct. 7, 1929, on letterhead paper of the Moto Meter Gauge and Equipment Corporation, Long Island City. I had been saying all his news for a time when I was hard up for dope, but he has called my hand by getting himself a new job, as I assume he is no longer with the Moto Meter outfit, although it is perfectly possible that he is handling both. He was in the



G. W. RITCHEY	'93
M. D. KIRK	'06
J. B. CARLOCK	'07
W. C. VAN BLARCOM	'10
J. GORE, JR.	'12
H. W. GRAHAM	'14
M. H. MERWIN	'14
G. M. YOCUM	'17
H. K. BRADY, JR.	'21
W. E. DOUGLASS	'26

J & L STEEL PRODUCTS

OPEN HEARTH AND BESSEMER STEEL

HOT ROLLED PRODUCTS				
Billets	Blooms	Slabs	Sheet Bars	Skelp
	Bands	Flats	Hexagons	
		Rounds	Squares	
Angles	Beams	Channels	Tees	Zees
	Agricultural Shapes		Special Shapes	
	Light Weight Stair Stringer	Channels		
	Plates for Bridges, Tanks, Boilers, Cars and Ships			
RAILROAD SPIKES		TIE PLATES		
Light Rails and Accessories				
BARS FOR CONCRETE REINFORCEMENT				
Straight, Bent and Fabricated				
FORGING STEEL				
JALCASE STEEL				
Hot Rolled		Cold Finished		
COLD FINISHED STEEL				
Shafting and Screw Stock				
Rounds	Squares	Hexagons	Flats	Special Shapes
Pump and Piston Rods				
JUNIOR BEAMS				
STEEL PILING				
FABRICATED STRUCTURAL WORK				
Columns	Plate Work	Girders	Steel Barges	Trusses
	Mill and Factory Buildings			
TUBULAR PRODUCTS				
Standard Pipe		Line Pipe		
Casing, Tubing, Drive and Rotary Drill Pipe				
In Lapwelded and Seamless				
WIRE PRODUCTS				
Wire Rods				
Bright, Annealed and Galvanized Wire				
Spring Wire	Barbed Wire	Woven Fencing		
	Bright, Coated and Galvanized Nails			
	Fence Staples	Netting Staples		
TIN MILLS PRODUCTS				
Coke Tin Plate		Black Sheets (Tin Mill Sizes)		
COKE BY-PRODUCTS				

J & L SALES OFFICES

ATLANTA	BOSTON	BUFFALO	CHICAGO	CINCINNATI	CLEVELAND
DALLAS	DENVER	DETROIT	ERIE	LOS ANGELES	
MEMPHIS	MILWAUKEE	MINNEAPOLIS	NEW YORK		
PHILADELPHIA	PITTSBURGH	ST. LOUIS			
SAN FRANCISCO	WASHINGTON				

J & L WAREHOUSES

CHICAGO	CINCINNATI	DETROIT	MEMPHIS	PITTSBURGH
---------	------------	---------	---------	------------

CANADIAN REPRESENTATIVES

JONES AND LAUGHLIN STEEL PRODUCTS COMPANY	
PITTSBURGH, PENNA., U. S. A.	TORONTO, ONTARIO, CANADA

JONES & LAUGHLIN STEEL CORPORATION

Jones & Laughlin Building · · Pittsburgh, Pennsylvania

Industrial Division and persuaded the President to inaugurate a separate department to handle aviation needs, and was made head of the department. Hence it is quite possible that Hank is in business for himself. His marriage took place in January, 1927, and the pertinent remark is added "and I still am." Bill Whitmore and he have seen each other and, of course, with the wives, were up for the Lafayette game last Fall. Offhand, Hank, Dick (S. S.) Richards is the only one whom I know now to be interested in aviation.

Royce Farrington wrote me early last Fall from his home at 17428 Winslow Road, Shaker Heights, Ohio, that everything was quiet, that he was selling tractors for the Dravo Equipment Co. But now things are no longer quiet. There arrived on Feb. 11 (a good date, being likewise mine) a daughter, Adelaide Ann. No statistics given. Congratulations, Royce, with the best wishes of all who know you and the hope that your wife and the baby will continue in the best of health and spirits. Gordon Gildersleeve lives around the corner from Farrington and plays a mean game of tennis and squash. Royce was here, of course, for the Lafayette game, but made no mention of coming events, which is conservative at any rate.

J. J. Nesterowicz, another greasy chemical, sends Buck a card from Clearwater, Florida, where he is putting up a plant for the canning of orange juice, with the idea of perfecting his canning process. Nesty did not send the card to me for fear I would have forgotten him, I guess, because this is the first intelligence (75c word) I have of him or his doings.

I want to join Strauch, the '22 announcer, in protesting about receiving news of change of address through outside sources, such as P. O. information, tracers, and the like. Please give the Alumni Office a break and at least drop us a card.

The following changes are listed without comment, for your information:

R. T. Jones, Losr.

W. W. Lewers, 88 Hanover St., Wilkes-Barre, Pa.

A. D. Forst, Vice-President, Robertson Art Tile Co., Trenton, N. J. Residence, 831 Crown St., Morrisville, Pa.

E. W. Bowden, 525 Hillcrest Ave., Westfield, N. J.

C. R. Berner, care of Thayer Baker & Co., 1237 Commercial Trust Bldg., Philadelphia, Pa.

J. M. Arthur, 32 Woodbine Ave., Plainfield, N. J. (information supplied by W. W. Mills, '87).

J. H. Alden, 1222 Norwood Ave., Niagara Falls, N. Y.

Walter H. E. Scott wrote me from Carlisle, Pa., where he is an attorney-at-law, enclosing a filled out prospective student information card. I have turned this over to the Dean, but I want to point out that there must be many other alumni who can send in at least one card per year. Try it. Walter has resigned as State Law Librarian to devote his time to his practice and is also Commander of his American Legion Post. He remarks he is in a Lafayette town and can now walk safely abroad at night.

Charlie Manrer wrote me from 701

12th St., Windber, Pa., last November, that he would see me at the Lafayette game, but if he showed up, we missed each other. How about it, Charlie? Here is another man with an eye to the future. His first son was Charles, Jr. His second son, born November 7th, is named Thomas Pengelly. It's quite possible that Thomas had something to do with Butch not getting to Bethlehem two weeks after his arrival on earth, and nobody will criticise him. Accept my apologies for not getting his arrival properly reported, Butch. How is he now, and Mrs. Maurer?

Class of 1922

C. C. Strauch, Correspondent
15½ E. Northampton St.,
Wilkes-Barre, Pa.

We have some good responses for this month, so all we need now is some more payments for your alumni dues and BULLETIN to boost that percentage of paid-in dues up above last year's total.

Waren Lutz writes from the Philadelphia Electric Co., at 10th and Chestnut Streets, Philadelphia, Pa., and reports that he and Timmy Donavon were the only representatives of '22 at the Philadelphia Lehigh Club Banquet, held in the Bellevue-Stratford Hotel, in January. Timmy is doing contracting work with Joe Spagna in Philadelphia.

Lutz further reports that he notices a letter published in the *Electric World* of Jan. 11th, with Elmer DeTurk as the writer, whom he believes should be listed as one of the "Lehigh Men Who Write." DeTurk is Asst. Supt. Trans. & Distribution, Metropolitan Edison Co., Reading Division.

Among the readers of the BULLETIN is a far sighted manufacturer who has a product of merit but who is not adequately represented in New York City and the Metropolitan area.

This man realizes that the present slump will not continue and that now is the time to lay a firm foundation for the future and at the same time increase his present volume.

To this man I offer my services as sales representative, confident that my ten years of business and sales experience and my well-established office will provide aggressive representation that will be productive.

Address, ALUMNI BULLETIN, B-200.

"Red" Gangwere has been traced to his lair, but we have not heard from him personally and the only data we seem to have any success in collecting is that he is Asst. Master Mechanic, 3rd and Erie Ave. Roundhouse of the Reading Railroad Co., and is living at 37 E. 5th St., Lansdale, Pa.

C. L. Knoderer is living at Roslyn, Pa., and is still working for the A. T. & T. Co.

Lutz reports that J. W. Morehouse "couldn't stand Roslyn and such a great daily separation from his wife, so he chose to live in Olney, where he may be found at 5740 Howard Street." In the daytime Morehouse can be found in the Terminal Bldg., in the office of the Electrical Engineer of Traction.

Got an interesting letter from "Chippy" Drew, in which he tells us that he has returned from a wedding trip along the French and Italian Riviera. "Chippy" was married on Dec. 21st to Miss Alice C. Potts, of Ashbury Park, N. Y. They sailed for Europe on the "President Harding" and report a very fine trip. "Chippy" tells us that now that he is married he expects to get back to the Lehigh Game every year and we'll all be looking for him next year to make good his threat. He explained that he learned of the result of this year's game while on a train in the Penna. Station, with the result that the other occupants of the train were sure that he had gone crazy. All power to him with such a cause for insanity!!!!

Charlie Connell has moved to 6200 Wayne Ave., Philadelphia, Pa.

R. A. Keenan is with the Aluminum Co. of America, with an office at 910 Hanna Bldg., Cleveland, Ohio. "Mugs" is living at Quad Hall, Cleveland, Ohio.

A. Larkin is with the Brunswick Ice Machine Co., Elizabeth, N. J.

L. H. Hoelzle is Manager of the Carlson Health System, Mahoning Bank Bldg., Youngstown, Ohio.

L. C. Whitney has recently taken a job as Chief Metallurgist for the Copperweld Steel Co., Glassport, Pa. "Les" moved to Glassport from the old home state, Mass., and is living at 227 Dewey St., Pittsburgh, Pa.

Fliedler Israel has been transferred from Fostoria, Ohio, to Clarksburg, W. Va., and is still working for the National Carbon Co.

No foolin'—how about a few alumni payments? A lot of us said we would contribute to this Alumni Fund just as soon as we beat Lafayette. Since that has been accomplished, there ought to be a general dividend declared on the Alumni Association Fund account. You know our next Reunion is two years off and it would be a lot easier to have a few "bucks" on hand to start with in 1932, so why not send the dues in now?

Class of 1923

A. C. Cusick, Correspondent
62 E. Market St., Bethlehem, Pa.

John Hinkle Opdycke is still looking for his seats for the Lafayette game. His tickets called for seats in Section X, and X is an unknown quantity to John. Hinkle is located in Philadelphia at 3800 Chestnut St.

Bob Rhoades is with Bostock, Rhoades & Co. (Glass and Mirrors), 9 N. Moore St., New York City, and is living at 331 Park Ave., Nutley, N. J.

ASHLAND COAL & COKE COMPANY

BLUEFIELD, W. VA.

OLD BEN COAL CORPORATION

CHICAGO
DETROIT

CINCINNATI
MINNEAPOLIS

KANSAS CITY
OMAHA

ST. LOUIS
NORFOLK

Exclusive Sales Distributors

NO. 3 SEAM, POCAHONTAS, LUMP,
EGG, WASHED STOVE, WASHED NUT,
AIR CLEANED SLACK AND ROM

MINES AT

ASHLAND, McDOWELL COUNTY, W. VA.

W. A. RICHARDS, '17
President

H. D. SMITH, '08
Asst. to the President



CHILLED IRON WIRE DRAWING DIES

Grinding plates, sand blast nozzles, pug mill blades, liner plates, tube mill trumps, rod and rolling mill guides, centrifugal pump liners, pipes for ash conveying systems, coal breaker troughs, etc. All made of "Trenite"; our hard, white, abrasion resisting iron, remarkable for its wearing capacity.

**McFarland Foundry
and Machine Co.**

TRENTON, N. J.

J. H. PENNINGTON, '97, Gen. Mgr.

THE R. G. JOHNSON COMPANY

CONTRACTORS AND ENGINEERS

SHAFTS, SLOPES
MINING CONSTRUCTION

Pittsburgh, Pa.

R. G. JOHNSON, '04

C. H. DORSEY, '08

O. H. Saunders, Jr., is living at 355 Belleville Ave., Bloomfield, N. J. A little dope about yourself would be quite welcome Saunders.

C. S. Schifreen is living at 1504 Erie Ave., Philadelphia. Charlie was seen at several games this Fall and is just as handsome as ever.

Charlie Schragger is living at 879 Bellevue Ave., Trenton, N. J. To my knowledge Charlie is still single. How about it Charlie?

Tommie Smith is Sales Engr. for The Barber Asphalt Co. (Iroquois Dept.—Machinery), at 840 Graybar Bldg., New York City. Hope you got enough out of your Machine Design, Tom, to help you on your job. My regards to Helen.

Old Hank Spindler is living at 228 Hutton Street, Jersey City, N. J. Well, Henny, how are you making out; who are you working for; are you still single, etc? Send your old room-mate some dope about yourself.

Charlie Voss is living at 320 Mamaronck Ave., White Plains, N. Y. Charlie is in the law business and is willing to help any of you fellows out of a courtroom.

Dutch Wentz is living at Grant Ave., Pelham Manor, N. Y. How is the family, Dutch?

Grant Lyons is living at 361 S. Winebiddle St., Pittsburgh. Haven't heard from you Grant, so I don't know anything to write about you. Please help.

Tom Ganey is now in Indianapolis as assistant manager of Murphy & Co. Stores. At the rate Tom is going in the promotion of these Murphy Stores, he must have a few tricks that Barnum didn't know about. Keep up the good work Tom, and may it soon be Murphy & Ganey Stores. Not a bad Irish combination? You had better have a Jewish boy in there to take care of the business end of the enterprise. Only a suggestion.

Joe Maguire is with the Sales Dept. of Bethlehem Steel Co. in Baltimore. Spends a lot of time in Virginia and has acquired a southern accent. Joe, do me a favor and take Eddie Davis south with you, he may acquire a southern accent and lose that brogue of his. Joe is married and has a baby daughter.

J. D. McPherson, Jr., is living at 966 S. Hoover Ave., Los Angeles, California. Better move to Hollywood, Mac, and you could go swimming with the Mack Sennett Girls. Or better still, why did you leave Hollywood?

John Taylor is living at 242 N. 5th St., Allentown. I tell you men, Mealeys' certainly had a strong hold on John.

John F. Sprague, better known as "Red," is living at Overbrook Court, 2331 N. 58th St., Philadelphia. Stay out of those Courts, "Red." They are a bad influence on a young married man.

Charlie Bishop is Project Engineer, Phila. Electric Co., of 1000 Chestnut St., Phila., and is living at 223 Harding Ave., Collingswood, N. J.

W. G. Nowell writes: "After preaching in the Pittsburgh Conference of the M. E. Church for seven years, the last three of them in coal mining communities, I have given up active church work and am now in the position of

CHARLES McGONIGLE, '01

OTHO POOLE

POOLE & McGONIGLE

ENGINEERS AND MANUFACTURERS

STRUCTURAL STEEL FOR BRIDGES, BUILDINGS, ETC.

PORTLAND - - - OREGON

POOLE-DEAN COMPANY

Incorporated 1911

STEEL CONTRACTORS
ERECTORS OF BRIDGES AND BUILDINGS

PORTLAND - - - OREGON

OTHO POOLE

CHARLES McGONIGLE, '01

LEGAL LIABILITY

Ownership or operation of property carries legal liability for personal injuries to the public. Awards are heavy and litigation expensive. But Public Liability Insurance is cheap. Let us analyze your hazards.



W. M. Goodwin, Inc.

WILBUR TRUST BUILDING
BETHLEHEM, PA.

Phone 3547

WE PLACE ALL LINES OF INSURANCE, ANYWHERE.

NEW YORK SEWAGE DISPOSAL COMPANY

5621 GRAND CENTRAL TERMINAL, NEW YORK
Engineers and Contractors

GEO. L. ROBINSON, '00, Pres.
BEN. E. COLE, '13, Secy.-Treas.

SAMUEL T. MITTMAN, '19, Engineer
H. S. HUTCHINSON, '18, Engineer

W. T. DOBSON, '10, Supt. of Const.

Executive Secretary of the Pennsylvania Committee of the American Civil Liberties Union, fighting for the maintenance of the civil rights of free speech, free press and free assembly. Some job! My office is at 219 Walnut St."

Bob Pfahler sends in the most flattering news this column has been privileged to publish for some time with the modest apology, "I don't know whether this is the kind of stuff you are looking for or not." Boy, I'll say we're looking for such! Here's the official notice from the office of the Berwind-White Coal Mining Co.

Effective this date, Mr. Robert G. Pfahler is appointed Mining Engineer, succeeding Mr. Charles Enzian who has resigned to accept a position with another company.

E. J. NEWBAKER, Gen. Mgr.

Enzian is Lehigh, '01; Newbaker is Lehigh, '98. There's a good company. And that's some job for a man our age. Congratulations, Bob. We know you deserve it.

Class of 1924

Warren W. York, Correspondent
307 Dime Trust Bldg.,
Allentown, Pa.

The annual "Winter Homecoming" for Alumni over Washington's Birthday is fast becoming an event in the Lehigh calendar. Many classmates were on the campus, but neglected to register at the Alumni Office. Two of our faithful members, A. N. Wiegner, of Burlington, N. J., and J. A. Patterson, Jr., of Washington, Del., did report, and it is our hope that everyone will register and leave a speck of news on future occasions.

Things are looking up—we received several letters loaded with good news this month.

Edwin C. ("Ted") Scheetz informed us of the arrival of George B.—must be a boy—at 5313 St. James Terrace, Pittsburgh, Pa., on September 19th, and reports "All's Well."

Gordon T. ("Joe") Jones ascended another rung of the church ladder, having become Rector of St. Mary's Episcopal Church at Haledon, New Jersey. Classmates in the vicinity of Paterson will find a rousing welcome awaits at 447 Belmont Avenue, Haledon, where Rev. Jones resides.

A prospective merger of steel interests is under way. This is not a business deal, but will develop along the lines of "Let's Merge," a song hit from "Sons-O-Guns." Richard J. Buck is engaged to Miss Rocamond Farrell, daughter of James A. Farrell, Chairman of the Board of the U. S. Steel Company. We understand Dick will be married on March 3 in New York City. Best wishes.

"Rod" Hauser hailed me the other day to say he had organized the Houser Chevrolet Company to distribute this well known car in Bethlehem. He had previously been connected with the Lehigh Chevrolet Company of Allentown.

Paul F. Campbell is now located in Swedesboro, N. J.

C. F. "Buddy" Lingle is living at 5605 43rd Ave., Woodside, N. Y.

A. C. McKenzie can be found at 351 E. 21st St., Brooklyn, N. Y.

James A. Boyd is connected with Boyd & Selfridge, at 9 E. 40th St., New York City, and resides at 207 E. 62nd Street.

Duquesne Slag Products Co.

BLAST FURNACE SLAG

CRUSHED, SCREENED AND SIZED FOR ALL PURPOSES

PRESSED SLAG BRICK

FOR ALL BUILDING PURPOSES

BITUMINOUS CONCRETE

PAVING MIXTURE

Plants at

PITTSBURGH, PA.

DUQUESNE, PA.

POTTSTOWN, PA.

COATESVILLE, PA.

CATASAUQUA, PA.

EASTON, PA.

BIRDSBORO, PA.

TOPTON, PA.

Main Office

Diamond Bank Bldg., Pittsburgh, Pa.

Eastern Sales Office

425 Commercial Trust Bldg., Philadelphia, Pa.

With the Company

C. L. McKENZIE, '93

C. C. BURGESS, '95

R. W. RICHARDS, '27

FLECK BROS. Co.

Manufacturers and Dealers in

PLUMBING and HEATING SUPPLIES

PIPE

VALVES

FITTINGS

GENERAL OFFICES

AND DISPLAY ROOMS

50 N. 5TH ST.

1645 N. AMERICAN ST.

5106 GERMANTOWN AVE.

AGATE AND WESTMORE-
LAND STS.

PHILADELPHIA, PA.

BRANCHES

Allentown, Pa.

Atlantic City, N. J.

Baltimore, Md.

Bryn Mawr, Pa.

Camden, N. J.

Easton, Pa.

Lancaster, Pa.

Lansdale, Pa.

Macungie, Pa.

Newport News, Va.

Norfolk, Va.

Phoenixville, Pa.

Pottstown, Pa.

Pottsville, Pa.

Reading, Pa.

Stroudsburg, Pa.

Warren, Pa.

Williamsport, Pa.

Williamstown, N. J.



JOHN G. FLECK, '90

Vice-Pres. and Gen. Mgr.

G. B. LA PISH, '19

Pur. Agent Reading Branch

ANTHRACITE and BITUMINOUS COAL



ALAN C. DODSON, '00	G. R. RADFORD, '84
T. M. DODSON, '00	C. S. KENNEY, '10
H. B. TINGES, '12	

GENERAL OFFICES, BETHLEHEM, PA.

Pumping Machinery

Wilson-Snyder Manufacturing Co.

PITTSBURGH, PA.



H. D. WILSON, '01, President

We seem to have lost track of C. B. Mitchell and J. L. Reynolds. Information leading to their discovery will be appreciated.

Class of 1925

A. L. Bayles, Correspondent
909-11 Commercial Bank Bldg.,
Charlotte, N. C.

Dear Gang:

Our Reunion plans are being whipped into shape and what a reunion it will be. Snappy Costumes. A Real Rip-Suorting Banquet with all the trimmings and a jolly good time for all. The next issue of the BULLETIN will carry plans and more detail. By that time Freddy Dorton, Dick Davis and I will have had a chance to talk things over and get plans for the Reunion in a more concrete form.

We are going to lay the plans but we expect the rest of our good members to help us carry them out. Prepare now for a Big Time at our FIVE-YEAR REUNION in June.

Yours for Bigger and Better Reunions,
A. L. BAYLES.

Class of 1926

John W. Maxwell, Correspondent
Lehigh University, Bethlehem, Pa.

News is scarce this month, but there are some real worthwhile items, principally the marriage of Hungry Schmidt and Don Heath and a baby born to Paul Cressman and his wife. See the first page of personals for definite details.

There are at least two fellows in the class who are real anxious to get the BULLETIN. Mac McGoldrick wrote two letters on the same day telling us his address. He is still in the life insurance business in Boston, but has changed his allegiance to the N. E. Mutual Life Insurance Company.

Ed. Giles has all kinds of trouble getting his BULLETIN since he moved back to Paterson, N. J., but he writes in about it with persistent regularity.

The only '26 men we saw around the campus on Washington's Birthday were Scottie and the "mechanical twins," DeWitt and Pease. There may have been others, but we didn't run across them.

Chuck Hess was back to the campus a few weeks ago, looking for candidates for his company—Dravo. Chuck is located down in Wilmington, Del., now, running his company's boat yard.

LeRoy Brown and family have moved to Belleville, N. J. Brownie is with Public Service.

John Earle has become a land lubber again and is located in Philadelphia. He is with Morris & De LaVergne and lives at the Central "Y".

Don Canfield is running an automobile concern over in Allentown. He didn't say just what the concern's business is; it might be similar to that of the famous "Fresh Air Taxi Cab Company of America, Incorporated."

George deBenneville has given up teaching and is doing research work with the Pyrotex Leather Company at Leominster, Mass.

Walter Binai is back East again. He works for the Rundle Manufacturing Company in Camden and lives in Merchantville, N. J.

Class of 1927

M. W. Van Billiard, Correspondent
341 W. 4th St., Bethlehem, Pa.

The turn-out of '27 men for the Feb. 22 alumni event was quite disappointing. No more than four were there and these were mainly Bethlehem fellows, who couldn't help but be present.

The annual basketball game with Lafayette gave us a chance to see the team in action. Particular interest was centered in Buck Schaub, who reminds us in every way of his illustrious brothers, Moe and Earl, who starred on the team during our college years.

And speaking of Moe reminds us that Chuck Barba ran across him in Boston recently and had a small reunion thereupon. Chuck at present is located with the Mexican Petroleum Corporation in Providence, R. I., but is residing at 11 Willard St., Newton, Mass.

G. F. Kennedy, who was connected with the bureau of design of the city of Richmond, Va., can now be reached at 110 E. Ridge St., Lansford, Pa.

J. J. Staab is a budding designing engineer with W. S. Barstow & Co., 412 Washington St., Reading, Pa.

Quite a few of the gang are still continuing their studies along lines of higher education at various institutions. C. E. Brown is at the Harvard Graduate School, his address being 55 Van Dyke St., Boston. A. D. Shonk is graduating this year from the law department of the University of Southern California. His residence is at 440 S. Berendo St., Los Angeles, Calif.

Take note of the following changes in address. Irving Broads has moved from Aliquippa, Pa., to Yonkers, N. Y., and is residing at 249 Valentine Lane. Rudy Bush is staying at 2116 W. Venango St., Philadelphia, Pa. Addresses have been lost for S. S. Groner and W. R. Hawkins.

Scranton has lost J. H. Metz, who is now residing at 4522 Osage Ave., Philadelphia, Pa. H. B. Russell is with the Pennsylvania Railroad at Wooster, Ohio, his address being 540 High St., that city. Johnny Schaffer has also moved—up one floor. Formerly located in room 402 of the Lafayette Bldg. in Philadelphia, he is now comfortably ensconced in Room 501. Paul Strohl took a few more steps, going exactly three houses from his former address. From 733 Seventh Ave., he has gone to 739 Seventh Ave., Coraopolis, Pa.

A letter was received just before going to press from Nat Tyler, who informs us that he is still employed in making paint for the Pittsburgh Plate Glass Co., in Newark, N. J. For information to the class is the fact that his new address is 502 Summer Ave., Newark, N. J.

Class of 1928

W. B. Billmeyer, Correspondent
89-25 Parsons Blvd., Jamaica, N. Y.

After a long period of silence from Jack Zerbe we at last located him. Jack is working with the International Telephone & Telegraph Co. in Buenos Aires, Argentina—pretty far from home and I imagine he will appreciate letters from the gang. His mail may be addressed % I. T. & T. Co., Desensa 143, Buenos Aires, Argentina, S. A.

C. V. Converse is still in the old Lehigh Valley and is living in the Graf Court Apartments on North Sixth St., Allentown, Penna.

American Abrasive Metals Co.

(Founded by Wm. H. Sayre, '86)

50 CHURCH ST. NEW YORK CITY

FERALUN

[A patented combination of iron and abrasive grit]

To Prevent Slipping Accidents

Its peculiar properties make it the longest wearing, most efficient anti-slip material obtainable

— For —

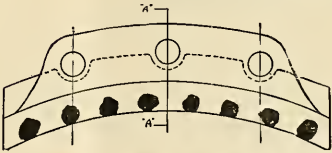
Floor Plates	Elevator Door Thresholds
Stair Treads and Landings	Coal Hole Covers
Door Saddles	Cover Plates, etc.
Car Steps and Platforms	

For General Industrial Uses

Its extreme durability, when subjected to severe abrasive action makes it most useful and economical in a wide variety of fields

Wearing Plates	Rabble Blades
Pug Mill Paddles	Liner Plates, etc.

Brake Shoes for Mine Motors
(Grinding and braking combined)



Side view and section of "FERALUN" BRAKE-SHOE
showing where the Abrasive is placed

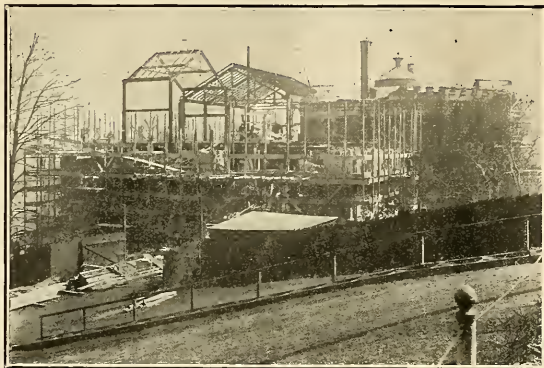
For Special Work—where Bronze or Aluminum is required

"BRONZALUN" "ALUMALUN"
(The "Grit" Cast in Bronze) (The "Grit" Cast in Aluminum)

R. S. EDMONDSON, '06, President
G. P. BARTHOLOMEW, '06, Vice-Pres.
WM. H. SAYRE, '21, Vice-Pres.
AUSTIN B. SAYRE, '24, Vice-Pres.
GEORGE C. HUTCHINSON, '94
District Representative
Farmers Bank Bldg., Pittsburgh, Pa.

BETHLEHEM FABRICATORS, INC.

OFFICE AND WORKS - BETHLEHEM, PA.
WORKERS IN STRUCTURAL STEEL



New Lehigh Library.

DISTRICT OFFICES: NEW YORK, 31 Union Square.
PHILADELPHIA, 1500 Walnut St.

AGENTS

ALBANY, N. Y.	BALTIMORE, MD.	DALLAS, TEX.	NEW ORLEANS, LA.
ALTOONA, PA.	CLEVELAND, O.	HARTFORD, CONN.	HAZLETON, PA.
ATLANTA, GA.			WASHINGTON, D. C.

R. P. Hutchinson, Pres., '04	A. C. Dodson, Director, '00	F. S. Lubrecht, '13
R. S. Taylor, 2nd V. Pres., '95	J. A. Frick, Director, '03	G. M. Overfield, '14
W. A. Wilbur, Direc., '20 Hon.	John Traeger, '03	S. B. Hutchinson, '25

Bob Jewell is living in New York and is working for the Friestedt Foundation Co. His address is 101 Park Ave., New York City.

"Leo" Levin, another '28-er who disappeared from the records for some time, has turned up in Washington, D. C., and is living at 1529 16th St., N.W.

V. D. Skakandy is living in Nesquehoning, Penna., at 127 Railroad St.

Class of 1929

John M. Blackmar, Correspondent
31 N. 22nd St., East Orange, N. J.

Dear Fellows:

I went up to New Haven Washington's Birthday to see the wrestling meet and found Al Lewis fraternizing on the bench with Billy and the boys. He informed me that Dick Stone, '29, Lefty Brady, '28, and Joe Bent, '28, and he are all at Harvard Graduate School of Business. And Bobby Herbruck, '30, varsity manager, told me Gene Quinlan is living at home, 77 High St., Yonkers.

So I didn't get back to our campus for Alumni Day and thus probably missed seeing a lot of you fellows and picking up much dope.

Since I last wrote of the fellows for the fellows I have had some contacts which should be of interest. Carl Carlson, '28, Tom Brennan and Kars Ahlberg called me up. Kars advised that Jack McLachlan went with the International Harvester Co. in New York, after graduating in February. He's living with his folks in East Elmhurst, Long Island, and is not yet married! Howard Wardle also finished up at midyears, I believe, and is living at home in Frankford, Pa., and understudying his dad in the contracting business.

Bobby Meyers, after working with the N. J. Bell since July, has returned to college to complete the requirements for his B.S. in Bus. Ad. He tells me Ryan Fort has at last established himself, but far from home. He is located with the Cotton Growers' Co-operative Association in Greenwood, Mississippi. At the Sigma Phi dance I saw Walt Gaither and Max Bachtell. Max is with the Dravo Contracting Co., in Wilmington, and is doing work of an accounting nature.

In Newark I have met Gus Sickles and Fran McCarthy. The latter is with the Pennsylvania Railroad there. Gus is taking the Westinghouse student course and so is shifted about the country from time to time. His immediate line is central stations sales. He tells me "Skipper" Polk and Bill Connor, '28, are with the same organization.

And I have quite a few letters to acknowledge receipt of and to tell you about. Andy Lehr's came first and was a dandy. Since he wrote: "My past experience with you journalists warns me to be VERY careful of what I say," in turn I will be politic about what I divulge. Andy is living at 116 Aldrich Place, South Buffalo, with college men who, like him, are associating daily on the job with the "hunkies" in the Lackawanna Plant of the Bethlehem Steel; he likes it. He gave me the low-down on his fraternity brothers, Art Landis, Bill Pickslay and Ed Mittendorf, none of whom are seriously contemplating immediate matrimony. Bill is serving a 2-year training course with the Allis Chalmers Manufacturing Co., rooming at 478 65th Ave., West Allis, Wisconsin. Art was reporting for the *Cleveland*



SPECIALISTS

IN

Design and Construction

AUBREY WEYMOUTH, '94

Chief Engineer

Press when Andy wrote but is not planning on journalism as a career. (Since then Art has quit and worked out with the 1930 mat squad when he was in Bethlehem, according to the *Brown and White*.) Lehr told me that Mittendorf is galavantin' about the Middle West as engineering representative for the Sarco Co. Inc., of N. Y., with headquarters at the swell Allerton House in Chicago. Max dropped me a line too, confirmed Andy's remarks, and added that he expected to get back for Alumni Day and then sail for his home in Germany for his "summer vacation."

Carl Pennington writes a good letter to Johnny Maxwell, revealing some doubt as to what class he belongs to. You might as well pick the best, Carl; '29 considers you one of the gang. Here's the letter:

I completed the C.E. course a year ago February and immediately sailed for the tropics in the employment of the United Fruit Company. That lasted a little over two months when I came to the conclusion that the tropics were all right, but not for me. On my return to the States I was very fortunate in securing employment immediately with the American Bridge Company and have been with them ever since. I am now located at Ambridge, Pa. I did not pay any dues or my BULLETIN subscription as yet as I desired to make a small contribution to the "Fund" at the same time.

Sincerely yours,

CARL S. PENNINGTON.

Ned Baker wrote from his home in Buffalo after returning from his extensive trip but said nary a word about it except that although he was thousands of miles from Taylor Stadium Nov. 23 he was wondering what was happening there. Early in February he belonged to America's great army of unemployed.

Rodge Taylor advised me as to the status of some of his fellow electricals' love affairs. DeWitt Gilbert and Cecil Guyatt are both engaged, the former to Miss Doris Elliott, of Oak Lane, Pa., and the latter to Miss Laura I. Palmer, of Bethlehem. He told me that he is still "cadeting" with the Philadelphia Electric Co., but committed a grave



E. T. MURPHY, '01 Vice-President
W. A. BORNEMANN, '17 Sales
W. H. CARTER, '17 Research
S. P. EAGLETON, '26 Sales
A. W. CANNEY, '27 Sales
J. H. CRAWFORD, Jr., '29 Student Engineer

SALES OFFICES

New York	Detroit
Philadelphia	Washington
Boston	Kansas City
Chicago	Dallas
Cleveland	Los Angeles

Air Conditioning

Designs and installation of equipment to create and control automatically any desired conditions of Humidity, Temperature and Air Movement within buildings. Cooling and Dehumidification by Carrier Centrifugal Refrigeration.

Drying and Processing

Automatically controlled equipment for air drying, moistening and processing of manufactured and raw materials.

Specific Information on Request

Carrier Engineering Corporation

Offices and Laboratories

NEWARK, NEW JERSEY

ESTABLISHED 1857

INCORPORATED 1906

T. B. Wood's Sons Company

CHAMBERSBURG, PA.

Power Transmission Machinery
Flexible Couplings
Belt Conveyors
and the

U. G. Automatic Belt Contactor
for Short Center Belt Drives

CHAS. O. Wood, '92

T. B. Wood, '98

G. H. Wood, '99

John Hancock Series

Dependents (Your dependents) must have an income

HOW much of an income have you guaranteed for your dependents in case of your death? Take pencil and paper and actually figure the income yield on your present estate.

A John Hancock agent can tell you how to immediately increase your estate through life insurance, and figure out exactly how much you must lay aside from your present income to make it come true.

John Hancock
LIFE INSURANCE COMPANY
OF BOSTON, MASSACHUSETTS

Inquiry Bureau
197 Clarendon St., Boston, Mass.
Please send booklet, "This Matter of Success."

Name.....

Address.....

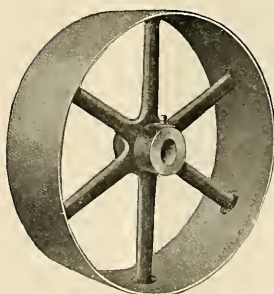
A.G. Over Sixty-seven Years in Business

Established 1834

Incorporated 1902

Christiana Machine Company

CHRISTIANA, PA.



ENGINEERS, FOUNDERS
AND MACHINISTS

Manufacturers of

Cut Tooth Gears, Cast Tooth
Gears, Mortise Gears, Pinions and
Cogs, C. M. C. Hydraulic Turbines

Special Machinery

Pulleys — Sprockets

Louis B. Bond, '26, Mgr.

Charles R. Stauffer, '28

Donald Wernitz, '27

Bethlehem Foundry & Machine Company

GENERAL FOUNDERS

and MACHINISTS

BETHLEHEM, PENNA.

W. A. WILBUR, Hon. '20
Chairman of the Board
J. GEORGE LEHMAN, '96
President

J. HOWARD VANSICVER
1st Vice-President
G. ERNEST FINCK,
Treasurer

I. E. KRAUSE,
Secretary

error of omission. For it remained for his old roommate, Guyatt, to advise me that Rodge is also engaged—to Cec's sister, Miss Violet Guyatt, of Philadelphia. And he intimates that another E.E., none other than Horace Wiest, is engaged, to a Miss Grace Rambon. Taylor's address is 1013 W. Lehigh Ave., Philadelphia, and Guyatt's is 23 Peck Ave., Newark. Cec is connected with the Public Service Corp of N. J. and will be married Mar. 25.

Ken Eckrote corrected me on a technicality, which I appreciate. So I'll give you fellows the true facts and figures. He was married to Miss Kitty Connell, daughter of Mr. and Mrs. Daniel Connell, of Fountain Hill, Bethlehem, Dec. 31, at Binghamton. Their address is Main St., Oakfield, N. Y., where Ken is employed by the United States Gypsum Co. Max Henry is with the same company in his own southland. At first he was stationed at Atlanta, but now is at Plasterco, Va.

We have news about another Sig Ep, Todd Neath. Just before New Year's he returned from a six-months' "hoho" tour of 17 countries of Europe and Africa.

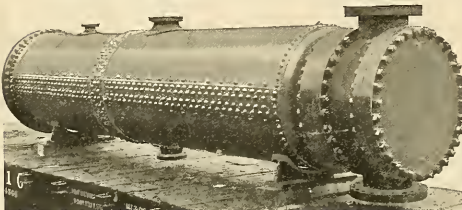
And Johnny Reid, who is working for the Stone & Webster Engineering Corp., in his home town of Pottsville, is betrothed to a Bethlehem girl, Miss Ruth Naomi Munsch.

My brother Edgar, '30, gave me the first information about our president, Red Crewe, and his chum, Art Roberts, since their return from abroad. When the Brown and White wrestlers lost their first meet in 17 starts at Ann-apolis, Red and Art were observed in the stands.

CROLL-REYNOLDS

Bleeder Heaters

Bleeder Type Feedwater Heaters constitute an important feature of modern power plant practice. Every Croll-Reynolds Bleeder Heater is especially designed for the particular conditions under which it is to operate. We have furnished complete stage heating for many of the largest and most up-to-date turbo-generator installations. Let us give you our recommendations for your particular requirements.



Croll-Reynolds 5400 sq. ft. high pressure bleeder heater at 14th St. Station of the New York Edison Co. built for 500 lbs. working water pressure.

PRODUCTS

Include:

Feed Water Heaters
Surface Condensers
Evaporators
Heat Exchangers
Air & Gas Coolers
"Evactor" Steam Jet
Air Pumps and
Thermo-Compressors

CROLL-REYNOLDS ENGINEERING CO., 17 JOHN STREET, NEW YORK CITY

S. W. CROLL, '10, President

BOSTON—Hayes Pump and Machinery Company, 94 Pearl St.
CHICAGO—Ernest E. Lee Company, Inc., 115 So. Dearborn St.
CLEVELAND—The Crown Lumber Co., 30 Euclid Arcade Annex
COLUMBUS—The Dennis Engineering Co., 243 North High St.
HOUSTON—The H. L. Thompson Company, 404 Avondale.

LOS ANGELES—G. M. Kohler, 1013 E. 8th St.
PHILADELPHIA—O. S. Carter, 123 South Broad St.
ST. LOUIS—A. T. Hunter, 2083 Railway Exchange Bldg.
ST. PAUL—Robinson, Cary and Sands Company.
TACOMA, WASH.—The Technical Engineering Co., 1019 Washington Bldg.

FORT PITT BRIDGE WORKS

OF PITTSBURGH, PA.

BRIDGES, BUILDINGS STRUCTURAL STEEL

General Office,
20th Floor, Oliver Building, Pittsburgh
New York Office, 15 Park Row
Chicago Office, Ashland Block
Cleveland Office, Bulkley Building
Purchasing Dept. and Works, Canonsburg

T. A. STRAUB, '90, President
H. R. BLICKLE, '93, Vice-President
SCHUYLER B. KNOX, '93, Manager N. Y. Office

P. B. STRAUB, '97, Secretary and Treasurer
A. SHELDON, '93, Asst. Chief Engineer
N. G. SMITH, '06, Engr. Contr. Dept.
D. B. STRAUB, '28, Drft. Dept.

Veeder-ROOT COUNTERS

Blanket All Counting Problems
in all industries

METAL INDUSTRIES AUTOMOTIVE PUBLIC UTILITIES FOOD INDUSTRIES PRINTING TEXTILE INDUSTRY RETAILING

At some place in the making, conveying or packaging of your product it's *counted*, measured, weighed or re-counted by hand. Right there—Counters will work without pay, without mistakes, without the delays of counting or measuring by hand. When your product comes through it's all totalled up. All ready for the next operation.

There's not a single counting problem that's any problem with Veeder-Root Counters. The line blankets *all* industries; all machine-applications. Write for new Veeder-Root Catalogue to see *which* Counters will best do your job.

Veeder-ROOT INCORPORATED
HARTFORD, CONN. OFFICES IN
PRINCIPAL
CITIES . . .



ROEBLING
"Blue Center"
Steel Wire Rope

*A Superior Product
 Worthy of Your
 Consideration*

JOHN J. ROEBLING'S SONS CO.
TRENTON, N. J.

WHITE BROTHERS SMELTING CORPORATION

SMELTERS AND REFINERS

Ingot Copper

Composition and Brass

Ingot Pig Lead

Antimonial Lead

Babbitt

Solder

BUYERS OF SCRAP COPPER, SCRAP BRASS, BRASS RESIDUES,
 AND ALL GRADES OF NON-FERROUS METALS

RICHMOND AND HEDLEY STREETS

PHILADELPHIA

HARRY A. WHITE, '95

CLARENCE B. WHITE, '05

Go to Europe this Summer!

The Banner Year for College Alumni

★ ★ ★



This summer . . . as never before . . . you ought to stage that long deferred European trip. There's a sound reason . . . The United States Lines and American Merchant Lines have been designated the official fleet of Intercollegiate Alumni organizations representing

103 colleges and universities . . . The great liner AMERICA . . . her staterooms refurbished in the mode of tomorrow . . . is your flagship. On the AMERICA, and throughout the fleet, will be college bands to "do" the melody with a campus flavor . . . On ship and ashore, a vast personnel will be on tiptoe to give you the ultimate in service. It is your day! . . . A card index of alumni residents in Europe will be found in the London, Paris and Berlin offices of the United States Lines. You, too, should register. Who knows what happy reunions may result? . . . Write your Alumni Secretary or send the coupon below now for complete information.

UNITED STATES LINES

MAIL THIS COUPON TODAY TO
THE NEAREST OFFICE LISTED BELOW

OFFICIAL ALUMNI FLEET

LEVIATHAN, World's Largest Ship
GEORGE WASHINGTON AMERICA
REPUBLIC PRESIDENT HARDING
PRESIDENT ROOSEVELT

~ ~ ~

And direct New York-London service
weekly on

AMERICAN BANKER AMERICAN SHIPPER
AMERICAN FARMER AMERICAN TRADER
AMERICAN MERCHANT

UNITED STATES LINES

45 Broadway, New York
61-63 W. Jackson Blvd., Chicago
691 Market St., San Francisco

I am interested in making a trip to Europe this summer on the official alumni fleet. Please give me information, without obligation on my part, on sailings, accommodations and rates.

Name

Address

City

Alumni Association

THE PHOENIX IRON CO.

Manufacturers of Open Hearth

STRUCTURAL STEEL SHAPES

Works:
PHOENIXVILLE, PA.

Main Office:
PHILADELPHIA, PA.

OFFICES:

22 S. 15th Street, Philadelphia
30 Church Street, New York City

110 State St., Boston, Mass.
City Savings Bank Bldg., Albany, N. Y.

Munsey Building, Washington, D. C.

THE PHOENIX BRIDGE CO.

Engineers and Builders of

BRIDGES AND OTHER STRUCTURES OF STEEL

Bridge Works, PHOENIXVILLE, PA.

Established 1790

Capacity, 60,000 Tons per Annum

W. R. HALL, '02, ASST. ENGR., BRIDGE DEPT.
W. H. ELLIS, '09, ASST. ENGR., ERECTION DEPT.
W. E. STURGES, '10, RES. ENGR., WASHINGTON OFFICE

PROFESSIONAL CARDS

New York City 233 Broadway
**FORSTALL, ROBISON AND
LUQUEER**
Consulting Engineers
Public Utility Problems
Alfred E. Forstall, '83
Robert O. Luqueer

St. Louis, Mo. 211 South Seventh St.
ROBERT W. BARRELL, '87
President
St. Louis Sampling & Testing Works, Inc.
Chemists, Metallurgists and Mining Engineers
All kinds of chemical analyses, investigations
of chemical and metallurgical processes,
examinations of mining properties.
40 years experience.

New York City 30 Church St.
Cortlandt 0824
WM. WIRT MILLS, '87
Sales Agent
Lowe Bros., The Paintmakers
Paints Varnishes Steel Coatings

New York City 15 Park Row
CLARENCE W. HUDSON, '89
Consulting Engineer
Designs, Supervision, Estimates,
Reports on All Classes of Structures

ALEXANDER POTTER, '90
Consulting Engineer
Hydraulics, Sanitation, Concrete
Structures
50 Church St., Tel.: 5501 Cortlandt
New York City 8224 Cortlandt

WILLIAM RUSSELL DAVIS, '92
Consulting Engineer
BRIDGES
103 Washington Ave.,
Albany, N. Y. Tel.: Main 3835

Pittsburgh 1st National Bank Bldg.
GEORGE S. BATON & CO.
Consulting Engineers
Reports on Coal Properties
Geo. S. Baton, '94

New York City 51 East 42nd St.
VISSCHER & BURLEY
Architects
T. C. Visscher, '99 J. L. Burley, '94

New York City 256 Broadway
AMOS H. CLAUDER, O.E., '04
Attorney and Counsellor at Law
Real Estate Law and General Practice

STUART, JAMES & COOKE, Inc.
62 London Wall 17 Battery Place
London New York
Mining, Mechanical and
Electrical Engineers
J. H. Pierce, '10, Vice-President

PATENTS and TRADE MARKS
Spear, Middleton, Donaldson & Hall
Washington, D. C. Victor Bldg.
Kenneth Donaldson, '24, 724-9th St.
Associated with the Firm.

A GOOD PLACE
For Your
PROFESSIONAL CARD
Write for Rates

Lehigh's Best Advertisement is Her Alumni

The Curriculum in ELECTRICAL ENGINEERING AT LEHIGH



MAIN ELECTRICAL LABORATORY IN THE NEW JAMES WARD PACKARD, '84, BUILDING OF ELECTRICAL AND MECHANICAL ENGINEERING. THIS REPRESENTS THE VERY FINEST IN STUDENT LABORATORY FACILITIES.

THE electrical engineer is one who understands the science and art of utilizing electricity. He may design, manufacture, install and operate electrical machinery and appliances, manage plants and electric systems, or engage in the promotion of engineering projects.

THE demand for trained electrical engineers continues to grow faster than the supply. The graduate has a wide choice among the varied and increasing applications of electricity and promotion for the deserving is rapid.

LEHIGH'S curriculum in electrical engineering is designed to give broad education in those general and scientific subjects which underlie all the branches of engineering, and to give special training in those technical and business subjects which experience shows are most essential in the equipment of the electrical engineer. In seeking to accomplish this object special emphasis is placed on mastery of fundamental principles and thoroughness in the analysis of problems.

THIS curriculum includes a number of special studies in civil, mechanical and metallurgical engineering, so that the graduate in electrical engineering is prepared not only to enter any of the branches in that particular field, but also to deal with related problems in other branches of engineering. He is also given courses in the principles of accounting, economics, business law and industrial management in order to be familiar with the structure and operation of modern business.

For detailed information relative to this or any other curriculum at Lehigh, address the Registrar.

PASS YOUR "BULLETIN" ON TO SOME PROSPECTIVE LEHIGH MAN

BETHLEHEM STEEL COMPANY

PLANTS AT

Bethlehem, Lebanon, Steelton, Johnstown, and
Coatesville, Pa., Sparrows Point, Md.
Wilmington, Del., Lackawanna, N. Y.

General Offices: BETHLEHEM, PA.

DISTRICT OFFICES:

New York, Boston, Philadelphia, Baltimore,
Washington, Atlanta, Pittsburgh, Buffalo, Cleveland,
Cincinnati, Detroit, Chicago, St. Louis, San Francisco,
Los Angeles, Seattle, Portland, Honolulu

E. G. GRACE, '99	<i>President</i>
H. E. LEWIS	<i>Vice-President</i>
C. A. BUCK, '87	<i>Vice-President</i>
QUINCY BENT	<i>Vice-President</i>
G. H. BLAKELEY	<i>Vice-President</i>
PAUL MACKALL, '07	<i>Vice-President</i>
G. W. STRUBLE	<i>Vice-President</i>
J. M. GROSS	<i>Vice-President</i>
R. E. McMATH	<i>Vice-President and Sec'y</i>
J. P. BENDER	<i>Treasurer</i>
F. A. SHICK	<i>Comptroller</i>